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The Southeast Fisheries Center Bionumeric Code Part I: Fishes

HARVEY R. BULLIS, JR., RICHARD B. ROE,
and JUDITH C. GATLIN

SEATTLE, WA
July 1972

National Marine Fisheries Service, Special Scientific Report--Fisheries Series

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NOAA Technical Report NMFS SSRF-659

The Southeast Fisheries Center Bionumeric Code Part I: Fishes

HARVEY R. BULLIS, JR., RICHARD B. ROE,
and JUDITH C. GATLIN

SEATTLE, WA
July 1972

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The Southeast Fisheries Center Bionumeric Code. Part I: Fishes

By

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ABSTRACT

The Southeast Fisheries Center, Pascagoula, Mississippi Laboratory uses a nine-digit numeric code to catalog marine organisms. The basic code was adapted from the FAO taxonomic code developed in 1960, to which generic and specific levels were added and considerable classification modifications adopted.

This publication provides the code listing for fishes. Succeeding publications will deal with such groups as crustacea, mollusca, and various invertebrates.

INTRODUCTION

At the request of the biological and fisheries nel of the Cooperative Investigations of the ribbean and Adjacent Regions (CICAR) a meric code for biological names as employed the National Marine Fisheries Service's utheast Fisheries Center is presented for e in the intercalibration of biological data tween participating members of the Program. r the purposes of meeting CICAR program eds, priority consideration has been given to easing codes covering three major faunal oups: fishes, crustaceans, and mollusks. The esent paper constitutes the first of these three categories to meet the immediate coding requirements of the CICAR juvenile fish project.

The Southeast Fisheries Center's Pascagoula Laboratory, Pascagoula, Miss., has amassed over 200,000 records on some 30,000 nominal species of marine organisms since 1950, and were it not for a numeric coding system for inventorying and processing faunal data the usefulness of this valuable library would be severely limited. The present code is an adaptation from a 5-digit code developed by FAO (1960) to catalog families of aquatic organisms. We expanded the code by adding generic and specific levels and have extensively rearranged and added taxa at all levels to accommodate the large number of species present in the Gulf and Caribbean area. Bullis and Roe (1967) describe the development and structure of this code.

[1] Contribution No. 231, National Marine Fisheries rvice, Southeast Fisheries Center, Pascagoula Labora-y, Pascagoula, Miss. 39567.

The bionumeric code listing for fishes includes 215 families, 678 nominal genera, and 1,346 nominal species collected during cruises of the research vessels *Oregon*, *Pelican*, *Combat*, *George M. Bowers*, *Silver Bay*, and *Oregon II*. Combined, these vessels have occupied over 15,000 collecting stations in the southwestern North Atlantic, Gulf of Mexico, Caribbean Sea, and Pacific side of Panama since 1950.

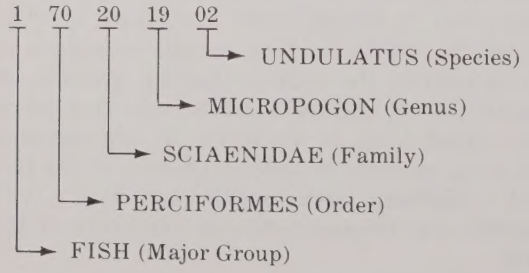
DESCRIPTION OF THE BIONUMERIC CODE

The bionumeric code uses nine digits, grouped as a single digit and four couplets, to code five levels within the taxonomic hierarchy. The first level does not represent phyla but is instead a major grouping of marine faunal types important for our purposes. Headings include Fishes—General, Crustaceans—General, and Other Invertebrates.

The second level in the FAO code comprises a general Class-Order mixture, much of which has been retained in our code. In the fish section the second level represents Order as interpreted by Berg (1940). Other sections may include such diverse groups as Polychaeta, Arthropoda, Asteroidea, and Platyhelminthes.

Levels three, four, and five respectively represent family, genus, and species. Our bionumeric code listing differs considerably from the FAO code in number of entries and assigned codes. Genus and species entries not provided by the 1960 FAO code and added by Pascagoula reflect the fauna of the Gulf and Caribbean region.

An example of a bionumeric code entry is provided for the common croaker, *Micropogon undulatus*:



Listing Format

The bionumeric fish code listing is a rough phylogenetic catalog of species collected by our research vessels. Codes are listed in numerical order except where invalid entries have been deleted resulting in gaps in sequencing.

The bionumeric code is shown at the left-most margin of the listing with spaces between each level. The scientific name is printed next with each successively inferior category indented to enhance use. Entries are not listed in alphabetical sequence because of the continuous changes in numerical assignments which are necessitated by additions to the code. Originally, an alphabetical sequence was attempted, but the number of entries multiplied so rapidly that it became unfeasible to maintain the order and entries were simply assigned the next available code number regardless of spelling.

Description, date, and author follow the scientific name. Parentheses are not used.

The code is contained on a punched card deck, one entry per card. Entries are indented on the card in a similar manner to the printed list. Titles and page spacing are program produced. New entries and/or deletions are quickly made by adding or deleting cards from the bionumeric code deck.

Application

Data are recorded from each station on forms specifically designed for direct transcription to punched cards. At the end of each cruise or survey activity these forms are keypunched according to two card formats (Fig. 1 and 2). The first card (station) contains station number, location, depth, environmental data, gear data, catch statistics (total weights and numbers), and other related data. One card is recorded for each occupied field station. A second card (species) is made for each species captured at that station. This card contains the key information in the first 44 columns of the station card (station number, location, depth, etc.) plus pertinent data for each species listed such as abbreviated scientific name, number of individuals, collective weight, and the bionumeric

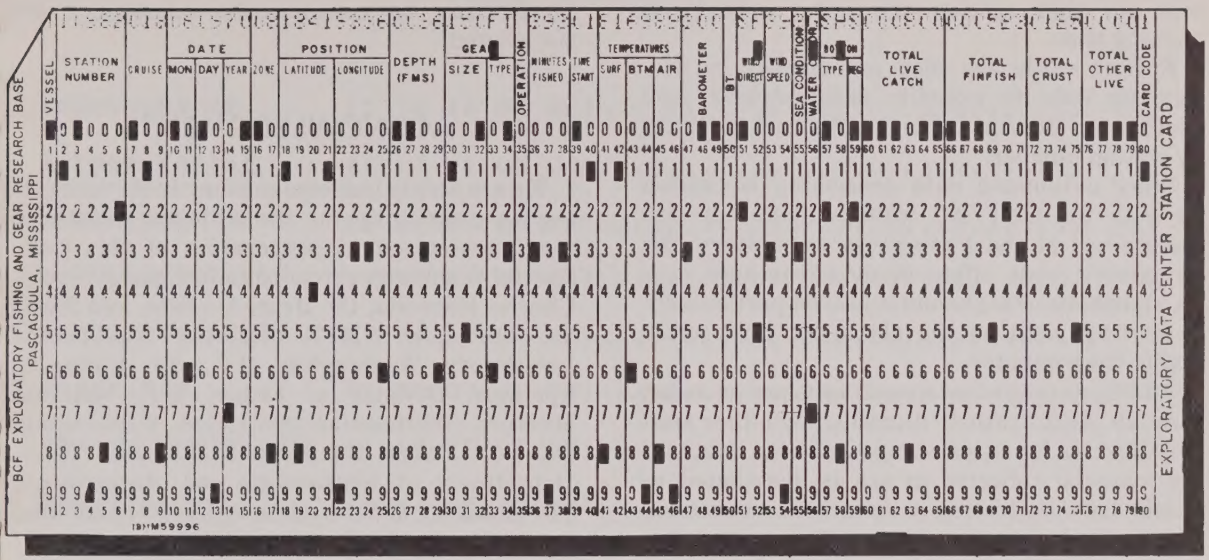


Figure 1.—Station card format used at the NMFS Southeast Fisheries Center, Pascagoula Laboratory, Pascagoula, Mississippi.

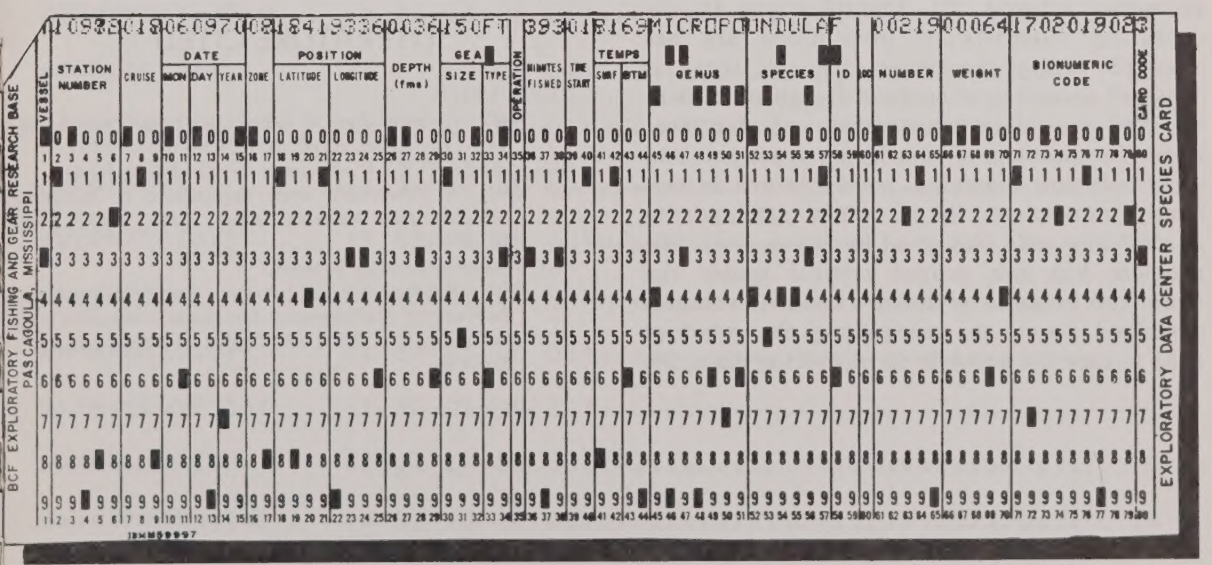


Figure 2.—Species card format used at the NMFS Southeast Fisheries Center, Pascagoula Laboatory, Pascagoula, Mississippi.

code for that species—the latter entered at puching time.

Species cards are filed numerically by bionumeric code to expedite data retrieval and processing. Station cards are filed numerically by station number.

Since automated data processing is carried on with the UNIVAC 9200 computer system maintained at the Pascagoula Laboratory, the bionumeric code offers many advantages over an alphabetic or alphanumeric code particularly in sorting, both on the electronic card sorter and in the computer.

Additions to the bionumeric code are provided through identifications furnished by either staff biologists or by cooperating scientists. Much of the material collected at sea is distributed to numerous cooperating institutions, museums, and individual taxonomists. These, in turn, furnish identifications of the received material which are punched on species cards and added to the data file as corroborative identifications. When species not previously taken by us are encountered, entries are added to the bionumeric file. Initials and location (coded) of the identifier are entered on the new species cards to verify feed records and to avoid duplication during data processing. Synonyms (when known) are given the same bionumeric code as accepted names and are distinguished in the listing by a preceding asterisk (*). Identifications by cooperating scientists or institutions are not changed within the decks although there is constant screening of current literature to identify and correct inconsistencies and identifications. The problem of identifying synonyms and cross-indexing changing nomenclature is evidently unresolved in all other attempts to numerically code biological names as well. The problem has not proved critical under the workloads imposed by the card and data volumes described above, so, recognizing the eventual need to face the problem for archiving data, the matter can be conveniently sidestepped for the present.

ACKNOWLEDGMENTS

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PSEUDOXENOMYSTAX	(1 43 13 21 00)	30

PSEUDUPENEUS (1 70 22 07 00)..... 64
PTERYCOMBUS (1 70 12 03 00)..... 55
RACHYCENTRON (1 70 10 01 00)..... 52
RAJA (1 10 04 02 00)..... 06
REGALECUS (1 53 02 01 00)..... 40
REMORA (1 70 09 03 00)..... 52
RHINOBATOS (1 10 01 02 00)..... 06
RHINOCHIMAERA (1 12 02 02 00)..... 10
RHINOPTERA (1 10 12 01 00)..... 09
RHIZOPRIONODON (1 07 06 18 00)..... 04
RHOMBOCHIRUS (1 70 09 04 00)..... 52
RHOMBOPLITES (1 70 15 20 00)..... 57
RISSOLA (1 70 40 05 00)..... 73
ROCCUS (1 70 02 39 00)..... 48
RONDELETIA (1 32 16 01 00)..... 26
ROULEINA (1 21 07 10 00)..... 15
RUVETTUS (1 70 45 06 00)..... 75
RYPTICUS (1 70 03 01 00)..... 50
SALARICHTHYS (1 70 36 09 00)..... 70
SARDA (1 70 44 07 00)..... 75
SARDINELLA (1 21 05 38 00)..... 13
SAURENCHELYS (1 43 11 01 00)..... 28
SAURIDA (1 32 01 02 00)..... 20
SCARUS (1 70 30 11 00)..... 68
SCHROEDERICHTHYS (1 07 05 12 00)..... 03
SCHULTZEA (1 70 02 58 00)..... 49

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SCIAENOPS (1 70 20 37 00)..... 62
SCOMBER (1 70 44 06 00)..... 75
SCOMBERESOX (1 47 02 01 00)..... 34
SCOMBEROMORUS (1 70 44 08 00)..... 75
SCOMBROLABRAX (1 70 45 11 00)..... 76
SCOPELOBERYX (1 60 03 03 00)..... 41
SCOPELOGADUS (1 60 03 04 00)..... 41
SCOPELOSAURUS (1 32 15 01 00)..... 26
SCOPHTHALMUS (1 83 03 01 00)..... 86
SCORPAENA (1 70 56 07 00)..... 80
SCYLIORHINUS (1 07 05 11 00)..... 02
SCYTALOPHIS (1 43 15 12 00)..... 31
SELAR (1 70 11 28 00)..... 54
SELENE (1 70 11 30 00)..... 54
SERIOLA (1 70 11 31 00)..... 54
SERRANICULUS (1 70 02 54 00)..... 49
SERRANUS (1 70 02 42 00)..... 48
SERRIVOMER (1 43 21 01 00)..... 32
SETARCHES (1 70 56 16 00)..... 81
SONODA (1 21 14 10 00)..... 17
SPARISOMA (1 70 30 12 00)..... 68
SPHAEROIDES (1 89 08 06 00)..... 89
SPHAGEBRANCHUS (1 43 15 08 00)..... 30
SPHYRAENA (1 65 03 01 00)..... 45
SPHYRAENOPS (1 70 06 11 00)..... 51

SPHYRNA	(1 07 07 01 00).....	04
SPRINGERIA	(1 10 10 01 00).....	09
SQUALIOLUS	(1 09 01 17 00).....	05
SQUALOGADUS	(1 48 06 25 00).....	38
SQUALUS	(1 09 01 15 00).....	05
SQUATINA	(1 09 03 01 00).....	06
STARKSIA	(1 70 37 09 00).....	71
STEINDACHNERIA	(1 48 04 15 00).....	36
STELLIFER	(1 70 20 39 00).....	62
STEMONOSUDUS	(1 32 05 08 00).....	21
STENOTOMUS	(1 70 21 34 00).....	63
STEPHANOBERYX	(1 60 01 01 00).....	41
STEPHANOLEPIS	(1 89 04 03 00).....	88
STERNOPTYX	(1 21 15 03 00).....	18
STOMIAS	(1 21 16 04 00).....	18
STRONGYLURA	(1 47 01 03 00).....	33
STYLEPHORUS	(1 53 05 01 00).....	41
SUDIS	(1 32 05 06 00).....	21
SYACIUM	(1 83 01 10 00).....	84
SYMPHURUS	(1 83 05 07 00).....	87
SYMPHYSANODON	(1 70 15 24 00).....	57
SYNAGROPS	(1 70 06 07 00).....	51
SYNAPHOBRANCHUS	(1 43 18 01 00).....	32
SYNGNATHUS	(1 51 06 15 00).....	39
SYNODUS	(1 32 01 03 00).....	20
TALISMANIA	(1 21 07 06 00).....	14

TARACTES	(1 70 12 04 00)	55
TAUTOGA	(1 70 28 26 00)	67
TETRAGONURUS	(1 70 50 01 00)	77
TETRAPTURUS	(1 70 47 03 00)	77
THALASSOMA	(1 70 28 28 00)	67
THALASSOPHRYNE	(1 93 01 07 00)	91
THAUMANICHTHYS	(1 95 09 05 00)	94
THUNNUS	(1 70 44 04 00)	74
THYRSITES	(1 70 45 13 00)	76
TORPEDO	(1 11 01 04 00)	10
TRACHICHTHYS	(1 61 05 03 00)	42
TRACHINOCEPHALUS	(1 32 01 01 00)	20
TRACHINOTUS	(1 70 11 36 00)	54
TRACHIPTERUS	(1 53 03 01 00)	40
TRACHONURUS	(1 48 06 17 00)	38
TRACHURUS	(1 70 11 38 00)	55
TRACHYSCORPIA	(1 70 56 17 00)	81
TRIACANTHODES	(1 89 02 04 00)	87
TRIACANTHUS	(1 89 01 01 00)	87
TRIAKIS	(1 07 09 01 00)	04
TRICHIURUS	(1 70 46 04 00)	76
TRICHOPSETTA	(1 83 01 18 00)	84
TRINECTES	(1 83 04 02 00)	86
TRIPLOPHOS	(1 21 14 16 00)	17
TYLOSURUS	(1 47 01 04 00)	34
UMBRINA	(1 70 20 40 00)	62

UPENEUS	(1 70 22 06 00)	64
URASPIS	(1 70 11 42 00)	55
UROBATIS	(1 10 05 12 00)	08
UROCONGER	(1 43 13 14 00)	29
UROLOPHUS	(1 10 11 01 00)	09
UROPHYCIS	(1 48 01 01 00)	35
UROPTERYGIUS	(1 43 06 06 00)	28
UROTRYGON	(1 10 11 02 00)	09
VALENCIENNELLUS	(1 21 14 11 00)	17
VARICUS	(1 70 55 07 00)	79
VENEFICA	(1 43 11 03 00)	28
VENTRIFOSSA	(1 48 06 19 00)	38
VERILUS	(1 70 15 23 00)	57
VERMA	(1 43 15 15 00)	31
VINCIGUERRIA	(1 21 14 17 00)	17
VOMER	(1 70 11 40 00)	55
XANTHICHTHYS	(1 89 03 01 00)	87
XENODERMICHTHYS	(1 21 07 03 00)	14
XENOLEPIDICHTHYS	(1 62 02 03 00)	44
XENOMYSTAX	(1 43 13 22 00)	30
XENOPHTHALMICHTHY	(1 21 11 04 00)	16
XIPHIAS	(1 70 48 01 00)	77
XYLELACYBA	(1 70 39 20 00)	72
XYRICHTHYS	(1 70 28 29 00)	67
YARELLA	(1 21 14 13 00)	17
ZALIEUTES	(1 95 05 05 00)	93

ZENION (1 62 01 05 00)..... 43

ZENOPSIS (1 62 01 02 00)..... 43

ZU (1 53 03 03 00)..... 40

(*SYNONYM)

1 00 00 00 00	FISH	
1 01 00 00 00	AMPHIOXIFORMES	
1 01 01 01 00	BRANCHIOSTOMA	1834 COSTA
1 01 01 01 00	*AMPHIOXUS	1836 YARREL
1 02 00 00 00	PETROMYZONIFORMES	
1 02 01 00 00	PETROMYZONIDAE	
1 03 00 00 00	MYXINIFORMES	
1 03 01 00 00	BDELLOSTOMATIDAE	
1 03 03 00 00	MYXINIDAE	
1 03 03 00 00	*PARAMYXINIDAE	
1 03 03 01 00	PARAMYXINE	1904 DEAN
1 03 03 01 01	SPRINGERI	1952 BIGELOW & SCHROEDER
1 03 03 02 00	MYXINE	1758 LINNAEUS
1 03 03 02 01	GLUTINOSA	1858 GIRARD
1 04 00 00 00	HETERODONTIFORMES	
1 04 01 00 00	HETERODONTIDAE	
1 05 00 00 00	HEXANCHIFORMES	
1 05 01 00 00	CHLAMYDOSELACHIDAE	
1 05 02 00 00	HEXANCHIDAE	
1 05 02 01 00	HEPTRANCHIAS	1810 RAFINESQUE
1 05 02 01 01	PERLO	1788 BONNATERRE
1 05 02 02 00	HEXANCHUS	1810 RAFINESQUE
1 05 02 02 01	GRISEUS	1780 BONNATERRE
1 05 02 02 02	VITULUS	1969 SPRINGER & WALLER
1 07 00 00 00	LAMNIFORMES	

1 07 01 00 00	ORECTOLOBIDAE	
1 07 01 01 00	GINGLYMOSTOMA	1837 MULLER & HENLE
1 07 01 01 01	CIRRATUM	1788 GMELIN
1 07 02 00 00	ISURIDAE	
1 07 02 01 00	ISURUS	1810 RAFINESQUE
1 07 02 01 01	OXYRINCHUS	1810 RAFINESQUE
1 07 02 01 02	PAUCUS	1966 GUITART
1 07 03 00 00	ALOPIIDAE	
1 07 03 01 00	ALOPIAS	1810 RAFINESQUE
1 07 03 01 01	VULPINUS	1788 BONNATERRE
1 07 03 01 02	SUPERCILIOSUS	1840 LOWE
1 07 04 00 00	CETORHINIDAE	
1 07 04 01 00	CETORHINUS	1816 BLAINVILLE
1 07 05 00 00	SCYLIORHINIDAE	
1 07 05 01 00	APRISTURUS	1913 GARMAN
1 07 05 01 01	INDICUS	1908 BRAUER
1 07 05 01 01	*ATLANTICUS	1932 KOEFOED
1 07 05 01 02	PROFUNDORUM	1896 GOODE & BEAN
1 07 05 01 03	RIVERI	1944 BIGELOW & SCHROEDER
1 07 05 01 05	LAURUSSONI	1922 SAEMUNDSSON
1 07 05 02 00	GALEUS	1760 SCHAEFFER
1 07 05 02 01	ARAE	1927 NICHOLS
1 07 05 02 02	CADENATI	1965 SPRINGER
1 07 05 11 00	SCYLIORHINUS	1816 BLAINVILLE
1 07 05 11 01	BOA	1895 GOODE & BEAN

1 07 05 11 02	HESPERIUS	1965 SPRINGER
1 07 05 11 03	MEADI	1965 SPRINGER
1 07 05 11 04	RETIFER	1881 GARMAN
1 07 05 11 05	TORREI	1936 HOWELL-RIVERO
1 07 05 12 00	SCHROEDERICHTHYS	1965 SPRINGER
1 07 05 12 01	MACULATUS	1965 SPRINGER
1 07 05 12 02	TENUIS	1965 SPRINGER
1 07 06 00 00	CARCHARHINIDAE	
1 07 06 02 00	CARCHARHINUS	1816 BLAINVILLE
1 07 06 02 01	ACRONOTUS	1860 POEY
1 07 06 02 02	FALCIFORMIS	1841 MULLER & HENLE
1 07 06 02 02	*FLORIDANUS	1943 BIGELOW & SCHROEDER
1 07 06 02 04	LEUCAS	1841 MULLER & HENLE
1 07 06 02 05	LIMBATUS	1841 MULLER & HENLE
1 07 06 02 06	LONGIMANUS	1861 POEY
1 07 06 02 07	MACULPINNIS	1866 POEY
1 07 06 02 08	MILBERTI	1841 MULLER & HENLE
1 07 06 02 09	OBSCURUS	1818 LESUEUR
1 07 06 02 10	POROSUS	1839 RANZANI
1 07 06 02 11	PEREZI	1875 POEY
1 07 06 02 11	*SPRINGERI	1944 BIGELOW & SCHROEDER
1 07 06 02 12	ALTIMA	1950 SPRINGER
1 07 06 10 00	HYPOPRION	1841 MULLER & HENLE
1 07 06 10 01	SIGNATUS	1868 POEY
1 07 06 13 00	NEGAPRION	1940 WHITLEY

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(*SYNONYM)

1 07 06 13 01	BREVIROSTRIS	1868 POEY
1 07 06 16 00	PRIONACE	1850 CANTOR
1 07 06 16 01	GLAUCA	1758 LINNAEUS
1 07 06 18 00	RHIZOPRIONODON	1929 WHITLEY
1 07 06 18 00	*SCOLIODON	1837 MULLER & HENLE
1 07 06 18 01	POROSUS	1831 POEY
1 07 06 18 02	TERRAENOVAE	1836 RICHARDSON
1 07 06 18 03	LALANDI	1841 MULLER & HENLE
1 07 06 22 00	GALEOCERDO	1837 MULLER & HENLE
1 07 06 22 01	CUVIERI	1822 LESUEUR
1 07 07 00 00	SPHYRNIDAE	
1 07 07 01 00	SPHYRNA	1810 RAFINESQUE
1 07 07 01 02	LEWINI	1834 GRIFFITH
1 07 07 01 03	MOKARRAN	1835 RUPPELL
1 07 07 01 04	TIBURO	1758 LINNAEUS
1 07 07 01 05	TUDES	1822 VALENCIENNE
1 07 07 01 06	ZYGAENA	1758 LINNAEUS
1 07 08 00 00	CARCHARIDAE	
1 07 08 01 00	CARCHARIAS	1810 RAFINESQUE
1 07 08 01 01	TAURUS	1810 RAFINESQUE
1 07 09 00 00	TRIAKIDAE	
1 07 09 01 00	TRIAKIS	1838 MULLER & HENLE
1 07 09 01 01	BARBOURI	1943 BIGELOW & SCHROEDE
1 07 09 02 00	MUSTELUS	1790 LINCK
1 07 09 02 01	CANIS	1815 MITCHILL

1 07 09 02 02	HIGMANI	1963 SPRINGER
1 07 09 02 03	NORRISI	1939 SPRINGER
1 09 00 00 00	SQUALIFORMES	
1 09 01 00 00	SQUALIDAE	
1 09 01 03 00	CENTROPHORUS	1837 MULLER & HENLE
1 09 01 03 01	GRANULOSUS	1801 BLOCH & SCHNEIDER
1 09 01 03 02	SQUAMOSUS	1788 BONNATERRE
1 09 01 03 03	UYATO	1810 RAFINESQUE
1 09 01 08 00	ETMOPTERUS	1810 RAFINESQUE
1 09 01 08 01	BULLISI	1957 BIGELOW & SCHROEDER
1 09 01 08 02	HILLIANUS	1861 POEY
1 09 01 08 03	PRINCEPS	1904 COLLETT
1 09 01 08 04	PUSILLUS	1839 LOWE
1 09 01 08 05	SCHULTZI	1953 BIGELOW & SCHROEDER
1 09 01 08 06	VIRENS	1953 BIGELOW & SCHROEDER
1 09 01 13 00	OXYNOTUS	1810 RAFINESQUE
1 09 01 13 01	CARIBBAEUS	1961 CERVIGON
1 09 01 15 00	SQUALUS	1758 LINNAEUS
1 09 01 15 01	ACANTHIAS	1758 LINNAEUS
1 09 01 15 02	BLAINVILLEI	1826 RISSO
1 09 01 15 03	CUBENSIS	1936 HOWELL RIVERO
1 09 01 15 04	FERNANDINUS	1782 MOLINA
1 09 01 17 00	SQUALIOLUS	1912 SMITH & RADCLIFF
1 09 01 17 01	LATICAUDUS	1912 SMITH & RADCLIFF
1 09 02 00 00	PRISTIOPHORIDAE	

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(*SYNONYM)

1 09 02 01 00	PRISTIOPHORUS	1837 MULLER & HENLE
1 09 02 01 01	SCHROEDERI	1960 SPRINGER & BULLIS
1 09 03 00 00	SQUATINIDAE	
1 09 03 01 00	SQUATINA	1806 DUMERIL
1 09 03 01 01	DUMERILI	1818 LESUEUR
1 09 03 01 02	SQUATINA	1758 LINNAEUS
1 09 04 00 00	DALATIIDAE	
1 09 04 01 00	DALATIAS	1810 RAFINESQUE
1 09 04 01 01	LICHA	1788 BONNATERRE
1 09 04 02 00	ISISTIUS	1864 GILL
1 09 04 02 01	BRASILIENSIS	1824 QUOY & GAIMAR
1 09 04 02 02	PLUTODUS	1964 GARRICK & SPRINGER
1 10 00 00 00	RAJIFORMES	
1 10 01 00 00	RHINOBATIDAE	
1 10 01 02 00	RHINOBATOS	1790 LINCK
1 10 01 02 01	LENTIGINOSUS	1880 GARMAN
1 10 01 02 02	LEUCORHYNCHUS	1866 GUNTHER
1 10 01 02 03	PERCELLENS	1792 WALBAUM
1 10 02 00 00	PRISTIDAE	
1 10 02 01 00	PRISTIS	1790 LINCK
1 10 02 01 01	PECTINATUS	1794 LATHAM
1 10 03 00 00	DISCOBATIDAE	
1 10 04 00 00	RAJIDAE	
1 10 04 02 00	RAJA	1758 LINNAEUS
1 10 04 02 01	ACKLEYI	1881 GARMAN

1 10 04 02 04	CLARKII	1958	BIGELOW & SCHROEDER
1 10 04 02 05	EGLANTERIA	1800	BOSC
1 10 04 02 06	FLAVIROSTRIS	1958	BIGELOW & SCHROEDER
1 10 04 02 07	FLORIDANA	1962	BIGELOW & SCHROEDER
1 10 04 02 08	FULIGINEA	1954	BIGELOW & SCHROEDER
1 10 04 02 09	GARMANI	1939	WHITLEY
1 10 04 02 10	GARRICKI	1958	BIGELOW & SCHROEDER
1 10 04 02 11	LAEVIS	1817	MITCHILL
1 10 04 02 12	LENTIGINOSA	1951	BIGELOW & SCHROEDER
1 10 04 02 13	OLSENI	1951	BIGELOW & SCHROEDER
1 10 04 02 14	OREGONI	1958	BIGELOW & SCHROEDER
1 10 04 02 16	SCAPHIOPS	1937	NORMAN
1 10 04 02 17	TEEVANI	1951	BIGELOW & SCHROEDER
1 10 04 02 18	TEXANA	1921	CHANDLER
1 10 04 02 19	CERVIGONI	1964	BIGELOW & SCHROEDER
1 10 04 02 20	BULLISI	1962	BIGELOW & SCHROEDER
1 10 04 02 21	PURPURIVENTRALIS	1962	BIGELOW & SCHROEDER
1 10 04 05 00	BREVIRAJA	1948	BIGELOW & SCHROEDER
1 10 04 05 01	YUCATANENSIS	1950	BIGELOW & SCHROEDER
1 10 04 05 02	ATRIPINNA	1950	BIGELOW & SCHROEDER
1 10 04 05 04	COLESI	1948	BIGELOW & SCHROEDER
1 10 04 05 05	CUBENSIS	1950	BIGELOW & SCHROEDER
1 10 04 05 07	SINUSMEXICANUS	1950	BIGELOW & SCHROEDER
1 10 04 05 08	PLUTONIA	1881	GARMAN
1 10 04 05 09	SPINOSA	1950	BIGELOW & SCHROEDER

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(*SYNONYM)

1 10 04 05 10	ISHIYAMAI	1962 BIGELOW & SCHROEDER
1 10 04 06 00	CRURIRAJA	1948 BIGELOW & SCHROEDER
1 10 04 06 01	ATLANTIS	1948 BIGELOW & SCHROEDER
1 10 04 06 02	POEYI	1948 BIGELOW & SCHROEDER
1 10 04 06 03	RUGOSA	1958 BIGELOW & SCHROEDER
1 10 04 07 00	PSEUDORAJA	1954 BIGELOW & SCHROEDER
1 10 04 07 01	ATLANTICA	1962 BIGELOW & SCHROEDER
1 10 04 07 02	FISCHERI	1954 BIGELOW & SCHROEDER
1 10 04 08 00	DACTYLOBATUS	1909 BEAN & WEED
1 10 04 08 01	ARMATUS	1911 BEAN & WEED
1 10 05 00 00	DASYATIDAE	
1 10 05 01 00	AMPHOTISTIUS	1913 GARMAN
1 10 05 02 00	DASYATIS	1810 RAFINESQUE
1 10 05 02 01	AMERICANA	1928 HILDEBRAND
1 10 05 02 02	CENTROURA	1815 MITCHILL
1 10 05 02 03	GEIJSKESI	1948 BOESEMAN
1 10 05 02 04	SABINA	1824 LESUEUR
1 10 05 02 05	SAYI	1824 LESUEUR
1 10 05 02 06	GUTTATA	1801 BLOCH & SCHNEIDER
1 10 05 04 00	GYMNURA	1823 VANHASSELT
1 10 05 04 01	ALTAVELA	1758 LINNAEUS
1 10 05 04 02	MICRURA	1801 BLOCH & SCHNEIDER
1 10 05 12 00	UROBATIS	1913 GARMAN
1 10 07 00 00	MYLIOBATIDAE	
1 10 07 01 00	AETOBATUS	1816 BLAINVILLE

1	10	07	01	01		NARINARI	1790 EUPHRASEN
1	10	07	03	00		MYLIOBATIS	1817 CUVIER
1	10	07	03	01		FREMINVILLII	1824 LESUEUR
1	10	08	00	00		MOBULIDAE	
1	10	08	02	00		MANTA	1829 BANCROFT
1	10	08	02	01		BIROSTRIS	1798 DONNDORFF
1	10	08	03	00		MOBULA	1810 RAFINESQUE
1	10	08	03	01		OLFERSI	1834 MULLER & HENLE
1	10	10	00	00		ANACANTHOBATIDAE	
1	10	10	01	00		SPRINGERIA	1951 BIGELOW & SCHROEDER
1	10	10	01	02		FOLIROSTRIS	1951 BIGELOW & SCHROEDER
1	10	10	02	00		ANACANTHOBATIS	1924 VON BONDE & SWART
1	10	10	02	01		AMERICANUS	1962 BIGELOW & SCHROEDER
1	10	10	02	02		LONGIROSTRIS	1962 BIGELOW & SCHROEDER
1	10	11	00	00		UROLOPHIDAE	
1	10	11	01	00		UROLOPHUS	1837 MULLER & HENLE
1	10	11	01	01		JAMAICENSIS	1817 CUVIER
1	10	11	02	00		UROTRYGON	1864 GILL
1	10	11	02	01		MICROPTHALMUM	1941 DELSMAN
1	10	12	00	00		RHINOPTERIDAE	
1	10	12	01	00		RHINOPTERA	1829 CUVIER
1	10	12	01	01		BONASUS	1815 MITCHILL
1	10	12	01	03		BRASILIENSIS	1841 MULLER & HENLE
1	11	00	00	00		TORPEDINIFORMES	
1	11	01	00	00		TORPEDINIDAE	

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(*SYNONYM)

1 11 01 02 00	NARCINE	1834 HENLE
1 11 01 02 01	BRASILIENSIS	1831 OLFERS
1 11 01 04 00	TORPEDO	1764 HOUTTUYN
1 11 01 04 01	ANDERSONI	1962 BULLIS
1 11 01 04 03	NOBILIANA	1835 BONAPARTE
1 11 01 05 00	BENTHOBATIS	1898 ALCOCK
1 11 01 05 01	MARCIDA	1909 BEAN & WEED
1 11 01 07 00	DIPLOBATUS	1948 BIGELOW & SCHROEDE
1 11 01 07 01	PICTUS	1950 PALMER
1 12 00 00 00	CHIMAERIFORMES	
1 12 01 00 00	CHIMAERIDAE	
1 12 01 01 00	CHIMAERA	1758 LINNAEUS
1 12 01 01 02	CUBANA	1936 HOWELL RIVERO
1 12 01 01 03	MONSTROSA	1758 LINNAEUS
1 12 01 02 00	HYDROLAGUS	1863 GILL
1 12 01 02 01	ALBERTI	1951 BIGELOW & SCHROEDE
1 12 01 02 02	MIRABILIS	1904 COLLETT
1 12 02 00 00	RHINOCHIMAERIDAE	
1 12 02 01 00	NEOHARRIOTTA	1895 GOODE & BEAN
1 12 02 01 01	CARRI	1966 BULLIS & CARPENTER
1 12 02 02 00	RHINOCHIMAERA	1901 GARMAN
1 12 02 02 01	ATLANTICA	1909 HOLT & BYRNE
1 17 00 00 00	ACIPENSERIFORMES	
1 17 01 00 00	ACIPENSERIDAE	
1 17 01 01 00	ACIPENSER	1758 LINNAEUS

1 17 01 01 01	OXYRHYNCHUS	1815	MITCHILL
1 18 00 00 00	AMIIFORMES		
1 19 00 00 00	LEPISOSTEIFORMES		
1 19 01 00 00	LEPISOSTEIDAE		
1 19 01 01 00	LEPISOSTEUS	1803	LACEPEDE
1 19 01 01 01	OSSEUS	1758	LINNAEUS
1 21 00 00 00	CLUPEIFORMES		
1 21 01 00 00	ELOPIDAE		
1 21 01 01 00	ELOPS	1766	LINNAEUS
1 21 01 01 01	SAURUS	1766	LINNAEUS
1 21 01 02 00	MEGALOPS	1803	LACEPEDE
1 21 01 02 01	ATLANTICUS	1846	CUVIER & VALENCIENNES
1 21 03 00 00	ALBULIDAE		
1 21 03 01 00	ALBULA	1762	OSBECK
1 21 03 01 00	*DIXONINA	1911	FOWLER
1 21 03 01 01	VULPES	1758	LINNAEUS
1 21 03 01 02	NEMOPTERA	1910	FOWLER
1 21 05 00 00	CLUPEIDAE		
1 21 05 01 00	ALOSA	1790	LINCK
1 21 05 01 01	ALABAMAE	1896	JORDAN & EVERMANN
1 21 05 01 04	PSEUDOHARENGUS	1811	WILSON
1 21 05 01 05	SAPIDISSIMA	1811	WILSON
1 21 05 03 00	BREVOORTIA	1861	GILL
1 21 05 03 01	GUNTERI	1948	HILDEBRAND
1 21 05 03 02	PATRONUS	1879	GOODE

1 21 05 03 03	SMITHI	1941 HILDEBRAND
1 21 05 03 04	TYRANNUS	1802 LATROBE
1 21 05 06 00	CLUPEA	1758 LINNAEUS
1 21 05 06 01	HARENGUS	1758 LINNAEUS
1 21 05 12 00	DOROSOMA	1820 RAFINESQUE
1 21 05 12 00	*SIGNALOSA	1898 EVERMANN & KENDALL
1 21 05 12 01	CEPEDIANUM	1818 LESUER
1 21 05 12 02	PETENENSE	1866 GUNTHER
1 21 05 12 02	*ATCHAFALAYAE	1898 EVERMANN & KENDALL
1 21 05 16 00	ETRUMEUS	1853 BLEEKER
1 21 05 16 02	TERES	1868 GUNTHER
1 21 05 20 00	HARENGULA	1847 CUVIER & VALENCIENN
1 21 05 20 01	CLUPEOLA	1829 CUVIER
1 21 05 20 02	HUMERALIS	1829 CUVIER
1 21 05 20 04	PENSACOLAE	1879 GOODE & BEAN
1 21 05 22 00	ILISHA	1845 RICHARDSON
1 21 05 22 01	HARROWERI	1917 FOWLER
1 21 05 23 00	JENKINSIA	1896 JORDAN & EVERMANN
1 21 05 23 01	LAMPROTAENIA	1851 GOSSE
1 21 05 23 01	*STOLIFERA	1885 JORDAN & GILBERT
1 21 05 23 02	MAJUA	1963 WHITEHEAD
1 21 05 30 00	OPISTHONEMA	1861 GILL
1 21 05 30 01	LIBERTATE	1866 GUNTHER
1 21 05 30 02	OGLINUM	1817 LESUEUR
1 21 05 31 00	OPISTHOPTERUS	1862 GILL

1 21 05 31 01	DOVII	1861 GUNTHER
1 21 05 32 00	ODONTOGNATHUS	1800 LACEPEDE
1 21 05 32 01	MUCRONATUS	1799 LACEPEDE
1 21 05 32 02	COMPRESSUS	1923 MEEK & HILDEBRAND
1 21 05 34 00	POMOLOBUS	1820 RAFINESQUE
1 21 05 34 01	AESTIVALIS	1814 MITCHILL
1 21 05 34 02	CHRYSOCHLORIS	1820 RAFINESQUE
1 21 05 34 03	MEDIOCRIS	1814 MITCHILL
1 21 05 38 00	SARDINELLA	1847 CUVIER & VALENCIENNES
1 21 05 38 01	AURITA	1847 CUVIER & VALENCIENNES
1 21 05 38 01	*ANCHOVIA	1847 CUVIER & VALENCIENNES
1 21 05 38 03	BRASILIENSIS	1879 STEINDACHNER
1 21 05 50 00	CHIROCENTRODON	1868 GUNTHER
1 21 05 50 01	BLEEKERIANUS	1867 POEY
1 21 06 00 00	ENGRAULIDAE	
1 21 06 01 00	ANCHOA	1927 JORDAN
1 21 06 01 01	HEPSETUS	1758 LINNAEUS
1 21 06 01 02	LAMPROTAENIA	1943 HILDEBRAND
1 21 06 01 03	MITCHILLI	1848 VALENCIENNES
1 21 06 01 04	CUBANA	1868 POEY
1 21 06 01 05	LYOLEPIS	1902 EVERMANN & MARSH
1 21 06 01 07	SPINIFER	1848 CUVIER & VALENCIENNES
1 21 06 01 08	TRICOLOR	1829 AGASSIZ
1 21 06 03 00	ANCHOVIELLA	1911 FOWLER
1 21 06 03 01	EURYSTOLE	1884 SWAIN & MEEK

1 21 06 03 02	PERFASCIATA	1861 POEY
1 21 06 03 03	LEPIDENTOSTOLE	1911 FOWLER
1 21 06 03 04	ESTAUQUAE	1943 HILDEBRAND
1 21 06 04 00	CETENGRAULIS	1868 GUNTHER
1 21 06 04 01	EDENTULUS	1829 CUVIER
1 21 06 04 02	MYSTICETUS	1866 GUNTHER
1 21 06 07 00	LYCENGRAULIS	1868 GUNTHER
1 21 06 07 01	GROSSIDENS	1828 CUVIER
1 21 06 07 02	BATESI	1868 GUNTHER
1 21 07 00 00	ALEPOCEPHALIDAE	
1 21 07 01 00	ALEPOCEPHALUS	1820 RISSO
1 21 07 01 01	PRODUCTUS	1883 GILL
1 21 07 02 00	PHOTOSTYLUS	1933 BEEBE
1 21 07 02 01	PYCNOPTERUS	1933 BEEBE
1 21 07 03 00	XENODERMICHTHYS	1878 GUNTHER
1 21 07 03 01	COPEI	1884 GILL
1 21 07 03 02	SOCIALIS	1888 VAILLANT
1 21 07 04 00	BINGHAMICHTHYS	1941 WHITLEY
1 21 07 04 01	MICROPHOS	1937 PARR
1 21 07 05 00	LEPTODERMA	1886 VAILLANT
1 21 07 05 01	SPRINGERI	1953 MEAD & BOHLKE
1 21 07 06 00	TALISMANIA	1895 GOODE & BEAN
1 21 07 06 01	OREGONI	1952 PARR
1 21 07 07 00	NARCETES	1890 ALCOCK
1 21 07 07 01	STOMIAS	1890 GILBERT

1 21 07 08 00	CONOCARA	1895 GOODE & BEAN
1 21 07 08 01	MURRAYI	1927 KOEFOED
1 21 07 09 00	BATHYTROCTES	1878 GUNTHER
1 21 07 09 01	AEQUATORIS	1895 GOODE & BEAN
1 21 07 10 00	ROULEINA	1923 JORDAN
1 21 07 10 01	ATTRITA	1888 VAILLANT
1 21 07 11 00	GRIMATROCTES	1952 PARR
1 21 07 11 01	BULLISI	1958 GREY
1 21 09 00 00	MACRISTIIDAE	
1 21 09 01 00	MACRISTIELLA	1967 BERRY & ROBINS
1 21 09 01 01	PERLUCENS	1967 BERRY & ROBINS
1 21 10 00 00	SEARSIDAE	
1 21 10 01 00	PLATYTROCTES	1878 GUNTHER
1 21 10 01 01	APUS	1878 GUNTHER
1 21 11 00 00	ARGENTINIDAE	
1 21 11 01 00	ARGENTINA	1758 LINNAEUS
1 21 11 01 01	STRIATA	1895 GOODE & BEAN
1 21 11 01 02	BRUCEI	1969 COHEN
1 21 11 01 03	GEORGEI	1969 COHEN
1 21 11 01 04	STEWARTI	1969 COHEN
1 21 11 02 00	GLOSSANODON	1867 GUICHENOT
1 21 11 02 01	PYGMAEUS	1958 COHEN
1 21 11 02 02	POLLI	1958 COHEN
1 21 11 03 00	MICROSTOMA	1817 CUVIER
1 21 11 03 01	MICROSTOMA	1826 RISSO

1 21 11 04 00	XENOPHTHALMICHTHYS	1925 REGAN
1 21 11 04 01	DANAE	1925 REGAN
1 21 12 00 00	BATHYLAGIDAE	
1 21 12 01 00	BATHYLAGUS	1878 GUNTHER
1 21 12 01 01	BERICOIDES	1929 BORDIN
1 21 12 01 02	LONGIROSTRIS	1948 MAUL
1 21 13 00 00	OPISTHOPROCTIDAE	
1 21 13 01 00	OPISTHOPROCTUS	1888 VAILLANT
1 21 14 00 00	GONOSTOMATIDAE	
1 21 14 00 00	*MAUROLICIDAE	
1 21 14 01 00	ARGYRIPNUS	1897 GILBERT & CRAMER
1 21 14 01 01	ATLANTICUS	1952 MAUL
1 21 14 02 00	CYCLOTHONE	1883 GOODE & BEAN
1 21 14 02 01	BRAUERI	1926 JESPERSEN & TANING
1 21 14 02 02	MICRODON	1878 GUNTHER
1 21 14 03 00	DIPLOPHOS	1873 GUNTHER
1 21 14 03 01	MADERENSIS	1890 JOHNSON
1 21 14 04 00	GONOSTOMA	1810 RAFINESQUE
1 21 14 04 01	ATLANTICUM	1930 NORMAN
1 21 14 04 02	BATHYPHILUM	1888 VAILLANT
1 21 14 04 03	ELONGATUM	1878 GUNTHER
1 21 14 05 00	ICHTHYOCOCCUS	1840 BONAPARTE
1 21 14 05 01	OVATUS	1838 COCCO
1 21 14 07 00	MARGRETHIA	1919 JESPERSEN & TANING
1 21 14 07 01	OBTUSIROSTRA	1919 JESPERSEN & TANING

1 21 14 08 00	MAUROLICUS	1838	COCCO
1 21 14 08 01	MUELLERI	1789	GMELIN
1 21 14 09 00	POLLICHTHYS	1959	GREY
1 21 14 09 01	MAULI	1959	GREY
1 21 14 10 00	SONODA	1959	GREY
1 21 14 10 01	MEGALOPHTHALMA	1959	GREY
1 21 14 10 02	PAUCILAMPA	1960	GREY
1 21 14 11 00	VALENCIENNELLUS	1896	JORDAN & EVERMANN
1 21 14 11 01	TRIPUNCTULATUS	1871	LUTKEN
1 21 14 13 00	YARELLA	1896	GOODE & BEAN
1 21 14 13 01	BLACKFORDI	1896	GOODE & BEAN
1 21 14 14 00	BONAPARTIA	1896	GOODE & BEAN
1 21 14 14 01	PEDALIOTA	1896	GOODE & BEAN
1 21 14 15 00	POLYMETME	1926	MCCULLOCH
1 21 14 15 01	CORYTHAEOLA	1898	ALCOCK
1 21 14 16 00	TRIPLOPHOS	1902	BRAUER
1 21 14 16 01	HEMINGI	1901	MCARDLE
1 21 14 17 00	VINCIGUERRIA	1895	JORDAN & EVERMANN
1 21 14 17 01	NIMBARIA	1895	JORDAN & WILLIAMS
1 21 14 17 02	POWERIAE	1838	COCCO
1 21 15 00 00	STERNOPTYCHIDAE		
1 21 15 01 00	ARGYROPELECUS	1829	COCCO
1 21 15 01 01	ACULEATUS	1849	CUVIER & VALENCIENNES
1 21 15 01 02	AFFINIS	1899	GARMAN
1 21 15 01 05	GIGAS	1930	NORMAN

1 21 15 01 06	OLFERSI	1829 CUVIER
1 21 15 01 07	SLADENI	1908 REGAN
1 21 15 01 08	AMABILIS	1888 OGILBY
1 21 15 01 09	HEMIGYMNUS	1329 COCCO
1 21 15 02 00	POLYIPNUS	1887 GUNTHER
1 21 15 02 01	ASTEROIDES	1938 SCHULTZ
1 21 15 02 02	LATERNATUS	1899 GARMAN
1 21 15 02 03	SPINOSUS	1887 GUNTHER
1 21 15 03 00	STERNOPTYX	1781 HERRMANN
1 21 15 03 01	DIAPHANA	1781 HERRMANN
1 21 16 00 00	STOMIATIDAE	
1 21 16 04 00	STOMIAS	1822 SCHINZ
1 21 16 04 01	AFFINIS	1887 GUNTHER
1 21 17 00 00	CHAULIODONTIDAE	
1 21 17 01 00	CHAULIODUS	1801 SCHNEIDER
1 21 17 01 01	DANAE	1929 REGAN & TREWAVAS
1 21 17 01 02	SLOANI	1801 BLOCH & SCHNEIDER
1 21 18 00 00	ASTRONESTHIDAE	
1 21 18 01 00	ASTRONESTHES	1845 RICHARDSON
1 21 18 01 03	RICHARDSONI	1852 POEY
1 21 18 01 04	SIMILIS	1927 PARR
1 21 18 02 00	BOROSTOMIAS	1908 REGAN
1 21 18 02 02	ELUCENS	1906 BRAUER
1 21 19 00 00	MELANOSTOMIATIDAE	
1 21 19 01 00	GRAMMATOSTOMIAS	1895 GOODE & BEAN

1 21 19 01 01	CIRCULARIS	1959 MORROW
1 21 19 03 00	MELANOSTOMIAS	1902 BRAUER
1 21 19 03 01	BILOBATUS	1956 KOEFOED
1 21 19 03 02	BISERIATUS	1930 REGAN & TREWAVAS
1 21 19 04 00	ECHIOSTOMA	1843 LOWE
1 21 19 04 01	BARBATUM	1843 LOWE
1 21 19 04 02	TANNERI	1883 GILL
1 21 19 05 00	EUSTOMIAS	1888 VAILLANT
1 21 19 05 01	BIGELOWI	1923 WELSH
1 21 19 05 02	SCHMIDTI	1930 REGAN & TREWAVAS
1 21 19 05 03	BITUBERATUS	1927 PARR
1 21 19 05 04	MACROPHTHALMUS	1927 PARR
1 21 19 06 00	LEPTOSTOMIAS	1905 GILBERT
1 21 19 06 01	RAMOSUS	1930 REGAN & TREWAVAS
1 21 19 08 00	LAMPROTOXUS	1913 HOLT & BRYNE
1 21 19 08 01	PHANOBROCHUS	1930 REGAN & TREWAVAS
1 21 19 09 00	PHOTONECTES	1887 GUNTHER
1 21 19 11 00	BATHOPHILUS	1882 GIGLIOLI
1 21 19 11 01	PAWNEEI	1927 PARR
1 21 19 12 00	FLAGELLOSTOMIAS	1927 PARR
1 21 20 00 00	IDIACANTHIDAE	
1 21 20 01 00	IDIACANTHUS	1876 PETERS
1 21 20 01 01	FASCIOLA	1876 PETERS
1 21 21 00 00	MALACOSTEIDAE	
1 21 21 01 00	MALACOSTEUS	1848 AYRES

1 21 21 01 01	NIGER	1849 AYRES
1 21 21 02 00	ARISTOSTOMIAS	1913 ZUGMAYER
1 21 21 03 00	PHOTOSTOMIAS	1889 COLLETT
1 21 21 03 01	GUERNEI	1889 COLLETT
1 21 21 03 02	ATROX	1890 ALCOCK
1 30 00 00 00	BATHYCLUPEIFORMES	
1 30 01 00 00	BATHYCLUPEIDAE	
1 30 01 01 00	BATHYCLUPEA	1891 ALCOCK
1 30 01 01 01	ARGENTEA	1896 GOODE & BEAN
1 30 01 01 02	SCHROEDERI	1962 DICK
1 32 00 00 00	SCOPELIFORMES	
1 32 01 00 00	SYNODONTIDAE	
1 32 01 01 00	TRACHINOCEPHALUS	1861 GILL
1 32 01 01 01	MYOPS	1801 FORSTER
1 32 01 02 00	SAURIDA	1849 CUVIER & VALENCIENNES
1 32 01 02 01	BRASILIENSIS	1935 NORMAN
1 32 01 02 02	CARIBBAEA	1927 BREDER
1 32 01 02 03	NORMANI	1935 LONGLEY
1 32 01 02 04	PARRI	1935 NORMAN
1 32 01 02 05	SUSPICIO	1927 BREDER
1 32 01 03 00	SYNODUS	1763 GRONOVIUS
1 32 01 03 02	FOETENS	1766 LINNAEUS
1 32 01 03 03	INTERMEDIUS	1828 AGASSIZ
1 32 01 03 04	POEYI	1886 JORDAN
1 32 01 03 05	SAURUS	1766 LINNAEUS

1 32 01 03 05	*CINEREUS	1948 HILDEBRAND
1 32 01 03 06	SYNODUS	1766 LINNAEUS
1 32 02 00 00	AULOPIDAE	
1 32 02 01 00	AULOPUS	1816 CUVIER
1 32 02 01 01	FILAMENTOSUS	1816 CLOQUET
1 32 02 01 02	NANAE	1958 MEAD
1 32 03 00 00	SCOPELARCHIDAE	
1 32 03 02 00	BENTHALBELLA	1911 ZUGMAYER
1 32 04 00 00	EVERMANNELLIDAE	
1 32 04 01 00	EVERMANNELLA	1901 FOWLER
1 32 04 01 01	ATRATA	1893 ALCOCK
1 32 04 02 00	ODONTOSTOMOPS	1934 FOWLER
1 32 04 02 01	NORMALOPS	1928 PARR
1 32 05 00 00	PARALEPIDIDAE	
1 32 05 00 00	*SUDIDAE	
1 32 05 03 00	LESTIDIUM	1905 GILBERT
1 32 05 04 00	LESTIDIOPS	1916 HUBBS
1 32 05 04 01	AFFINE	1930 EGE
1 32 05 06 00	SUDIS	1810 RAFINESQUE
1 32 05 08 00	STEMONOSUDUS	1951 HARRY
1 32 05 08 01	BULLISI	1963 ROFEN
1 32 05 09 00	PONTOSUDIS	1963 ROFEN
1 32 05 09 01	ADVENA	1963 ROFEN
1 32 05 10 00	PARALEPIS	1826 RISSO
1 32 06 00 00	OMOSUDIDAE	

1 32 06 01 00	OMOSUDIS	1887 GUNTHER
1 32 06 01 01	LOWEI	1887 GUNTHER
1 32 07 00 00	ALEPISAURIDAE	
1 32 07 01 00	ALEPISAURUS	1833 LOWE
1 32 07 01 01	FEROX	1833 LOWE
1 32 07 01 02	BREVIROSTRIS	1960 GIBBS
1 32 08 00 00	MYCTOPHIDAE	
1 32 08 02 00	DIAPHUS	1890 EIGENMANN
1 32 08 02 00	*AETHOPRORA	1895 GOODE & BEAN
1 32 08 02 01	BRACHYCEPALUS	1928 TANING
1 32 08 02 03	DUMERILI	1856 BLEEKER
1 32 08 02 04	GARMANI	1906 GILBERT
1 32 08 02 05	HOLTI	1918 TANING
1 32 08 02 06	LUCIDUS	1895 GOODE & BEAN
1 32 08 02 07	MACROPHUS	1928 PARR
1 32 08 02 08	MOLLIS	1928 TANING
1 32 08 02 09	RAFINESQUEI	1820 COCCO
1 32 08 02 10	TAANINGI	1930 NORMAN
1 32 08 02 11	TERMOPHILUS	1928 TANING
1 32 08 02 12	ANTEORBITALIS	1913 GILBERT
1 32 08 02 13	PROBLEMATICUS	1928 PARR
1 32 08 02 14	EFFULGENS	1895 GOODE & BEAN
1 32 08 02 15	METOPOCLAMPUS	1829 COCCO
1 32 08 04 00	LAMPADENA	1896 GOODE & BEAN
1 32 08 04 01	NITIDA	1928 TANING

1 32 08 05 00	LAMPANYCTUS	1840 BONAPARTE
1 32 08 05 01	ALATUS	1895 GOODE & BEAN
1 32 08 05 02	ATER	1928 TANING
1 32 08 05 03	CUPRARIUS	1928 TANING
1 32 08 05 04	FESTIVUS	1928 TANING
1 32 08 05 05	LACERTA	1895 GOODE & BEAN
1 32 08 05 06	LINEATUS	1928 TANING
1 32 08 05 07	MACROPTERUS	1904 BRAUER
1 32 08 06 00	MYCTOPHUM	1810 RAFINESQUE
1 32 08 06 01	AFFINE	1892 LUTKEN
1 32 08 06 02	ASPERUM	1844 RICHARDSON
1 32 08 06 03	RUFINUM	1928 TANING
1 32 08 06 05	NITIDULUM	1899 GARMAN
1 32 08 06 07	OBTUSIROSTRIS	1928 TANING
1 32 08 06 09	SELENOPS	1928 TANING
1 32 08 09 00	CERATOSCOPELUS	1864 GUNTHER
1 32 08 09 01	TOWNSENDI	1889 EIGENMANN & EIGENMANN
1 32 08 09 02	MADERENSIS	1939 LOWE
1 32 08 09 03	WARMINGI	1892 LUTKEN
1 32 08 10 00	HYGOPHUM	1939 BOLIN
1 32 08 10 01	HYGOMI	1892 LUTKEN
1 32 08 10 02	REINHARDT	1893 LUTKEN
1 32 08 10 03	MACROCHIR	1864 GUNTHER
1 32 08 10 05	BENOITI	1993 COCCO
1 32 08 11 00	CENTROBRANCHUS	1904 FOWLER

PASCAGOULA BIONUMERIC CODE
(*SYNONYM)

1 32 08 11 01	NIGROOCELLATUS	1889 GUNTHER
1 32 08 12 00	GONICHTHYS	1850 GISTL
1 32 08 12 01	COCCOI	1829 COCCO
1 32 08 13 00	NEOSCOPELUS	1863 JOHNSON
1 32 08 13 02	MACROLEPIDOTUS	1863 JOHNSON
1 32 08 14 00	MACROSTOMA	1826 RISSO
1 32 08 16 00	LEPIDOPHANES	1948 FRASER-BRUNER
1 32 08 16 01	GUNTHERI	1895 GOODE & BEAN
1 32 08 16 02	SUPRALATERALIS	1928 PARR
1 32 08 16 03	PYRSOBOLUS	1890 ALCOCK
1 32 08 17 00	NOTOSCOPELUS	1864 GUNTHER
1 32 08 17 01	CAUDISPINOSUS	1863 JOHNSON
1 32 08 17 02	ELONGATUS	1844 COSTA
1 32 08 17 03	RESPLENDENS	1844 RICHARDSON
1 32 08 18 00	LOBIANCHIA	1903 GATTI
1 32 08 18 01	GEMELLARI	1838 COCCO
1 32 08 22 00	BENTHOSEMA	1895 GOODE & BEAN
1 32 08 22 01	SIMILE	1928 TANING
1 32 08 22 02	SUBORBITALE	1913 GILBERT
1 32 08 23 00	DIOGENICHTHYS	1939 BOLIN
1 32 08 23 01	ATLANTICUS	1928 TANING
1 32 09 00 00	CETOMIMIDAE	
1 32 09 01 00	CETOMIMUS	1895 GOODE
1 32 09 01 01	GILLII	1894 GOODE & BEAN
1 32 09 02 00	CETOSTOMUS	1914 ZUGMAYER

1 32 09 02 01	REGANI	1914 ZUGMAYER
1 32 10 00 00	BATHYPTEROIDAE	
1 32 10 01 00	BENTHOSAURUS	1886 GOODE & BEAN
1 32 10 01 01	GRALLATOR	1886 GOODE & BEAN
1 32 10 02 00	BATHYPTEROIS	1878 GUNTHER
1 32 10 02 01	BIGELOWI	1958 MEAD
1 32 10 02 02	NIGRESCENS	1934 PARR
1 32 10 02 03	PHENAX	1928 PARR
1 32 10 02 04	QUADRIFILIS	1878 GUNTHER
1 32 10 02 05	VIRIDENSIS	1916 ROULE
1 32 11 00 00	IPNOPIDAE	
1 32 11 01 00	IPNOPS	1878 GUNTHER
1 32 11 01 01	MURRAYI	1878 GUNTHER
1 32 11 02 00	BATHYMICROPS	1927 KOEFOED
1 32 11 03 00	BATHYTYPHLOPS	1933 NORMAN
1 32 11 03 01	MARIONAE	1958 MEAD
1 32 12 00 00	BARBOURISIDAE	
1 32 12 01 00	BARBOURISIA	1945 PARR
1 32 12 01 01	RUFA	1945 PARR
1 32 13 00 00	CHLOROPHTHALMIDAE	
1 32 13 01 00	CHLOROPHTHALMUS	1834 BONAPARTE
1 32 13 01 01	AGASSIZI	1840 BONAPARTE
1 32 13 01 01	*CHALYBEIUS	1881 GOODE
1 32 13 01 02	BRASILIENSIS	1959 MEAD
1 32 13 02 00	PARASUDIS	1911 REGAN

1 32 13 02 01	TRUCULENTUS	1896	GOODE & BEAN
1 32 14 00 00	BATHYSAURIDAE		
1 32 14 01 00	BATHYSAURUS	1878	GUNTHER
1 32 14 01 01	MOLLIS	1878	GUNTHER
1 32 15 00 00	SCOPELOSAURIDAE		
1 32 15 01 00	SCOPELOSAURUS	1860	BLEEKER
1 32 16 00 00	RONDELETIIDAE		
1 32 16 01 00	RONDELETIA	1894	GOODE & BEAN
1 32 16 01 01	BICOLOR	1894	GOODE & BEAN
1 33 00 00 00	ATELEOPIFORMES		
1 33 01 00 00	ATELEOPIDAE		
1 33 01 01 00	IJIMAIA	1905	SAUTER
1 33 01 01 01	ANTILLARUM	1935	RIVERO
1 33 01 01 02	LOPPEI	1922	ROULE
1 34 00 00 00	GIGANTURIFORMES		
1 34 01 00 00	GIGANTURIDAE		
1 34 01 01 00	GIGANTURA	1902	BRAUER
1 34 01 01 01	VORAX	1925	REGAN
1 41 00 00 00	CYPRINIFORMES		
1 41 02 00 00	ARIIDAE		
1 41 02 04 00	BAGRE	1817	CUVIER
1 41 02 04 01	MARINUS	1815	MITCHILL
1 41 02 06 00	GALEICHTHYS	1840	CUVIER & VALENCIENNES
1 41 02 06 01	FELIS	1766	LINNAEUS
1 43 00 00 00	ANGUILLIFORMES		

1 43 00 00 00	*SACCOPHARYNGIFORMES	
1 43 02 00 00	ANGUILLIDAE	
1 43 02 01 00	ANGUILLA	1798 SCHRANK
1 43 02 01 01	ROSTRATA	1817 LESUEUR
1 43 03 00 00	SIMENCHELYIDAE	
1 43 04 00 00	XENOCONGRIDAE	
1 43 04 01 00	KAUPICHTHYS	1943 SCHULTZ
1 43 04 01 01	NUCHALIS	1967 BOHLKE
1 43 04 02 00	CHILORHINUS	1851 LUTKEN
1 43 04 02 01	SUENSONII	1851 LUTKEN
1 43 05 00 00	MYROCONGRIDAE	
1 43 06 00 00	MURAENIDAE	
1 43 06 01 00	ECHIDNA	1788 FORSTER
1 43 06 01 01	CATENATA	1795 BLOCH
1 43 06 02 00	GYMNOTHORAX	1795 BLOCH
1 43 06 02 01	FUNEBRIS	1840 RANZANI
1 43 06 02 02	MORINGA	1829 CUVIER
1 43 06 02 03	NIGROMARGINATUS	1859 GIRARD
1 43 06 02 04	OCELLATUS	1828 AGASSIZ
1 43 06 02 05	SAXICOLA	1888 JORDAN & DAVIS
1 43 06 02 06	VICINUS	1855 CASTELNAU
1 43 06 02 07	JORDANI	1900 EVERMANN & MARSH
1 43 06 02 08	POLYGONIUS	1870 POEY
1 43 06 03 00	ENCHELYCORE	1856 KAUP
1 43 06 03 01	NIGRICANS	1788 BONNATERRE

1 43 06 04 00	MURAENA	1758 LINNAEUS
1 43 06 04 01	MILIARIS	1856 KAUP
1 43 06 04 02	RETIFERA	1882 GOODE & BEAN
1 43 06 06 00	UROPTERYGIUS	1838 RUEPPELL
1 43 06 06 01	ACUTUS	1930 PARR
1 43 06 06 02	DIOPUS	1967 BOHLKE
1 43 06 07 00	ANARCHIAS	1906 JORDAN & STARKS
1 43 06 07 01	YOSHIAE	1952 KANAZAWA
1 43 07 00 00	HETERENCHELYIDAE	
1 43 08 00 00	MORINGUIDAE	
1 43 08 00 00	*STILBISCIDAE	
1 43 08 01 00	MORINGUA	1831 GRAY
1 43 08 01 00	*STILBISCUS	1888 JORDAN & BOLLMAN
1 43 08 01 01	EDWARDSI	1888 JORDAN & BOLLMAN
1 43 09 00 00	MURAENESOCIDAE	
1 43 09 01 00	MURAENESOX	1843 MCCLELLAND
1 43 09 01 01	SAVANNA	1829 CUVIER
1 43 09 02 00	PARAXENOMYSTAX	1940 REID
1 43 09 02 01	BIDENTATUS	1940 REID
1 43 11 00 00	NETTASTOMIDAE	
1 43 11 01 00	SAURENCHELYS	1864 PETERS
1 43 11 02 00	NETTASTOMA	1810 RAFINESQUE
1 43 11 02 01	MELANURUM	1810 RAFINESQUE
1 43 11 03 00	VENEFICA	1892 JORDAN & DAVIS
1 43 11 03 01	PROCERA	1883 GOODE & BEAN

1 43 11 04 00	FACCIOLELLA	1938	WHITLEY
1 43 12 00 00	NESSORHAMPHIDAE		
1 43 13 00 00	CONGRIDAE		
1 43 13 02 00	ARIOSOMA	1838	SWAINSON
1 43 13 02 01	IMPRESSA	1861	POEY
1 43 13 02 02	SELENOPS	1934	REID
1 43 13 04 00	COLOCONGER	1889	ALCOCK
1 43 13 04 01	MEADI	1957	KANAZAWA
1 43 13 05 00	CONGER	1760	SCHAEFFER
1 43 13 05 00	*LEPTOCEPHALUS	1763	GRONOVIUS
1 43 13 05 01	OCEANICUS	1818	MITCHILL
1 43 13 08 00	HOPLUNNIS	1860	KAUP
1 43 13 08 01	DIOMEDIANUS	1895	GOODE & BEAN
1 43 13 08 02	MACRURUS	1951	GINSBURG
1 43 13 08 03	TENUIS	1951	GINSBURG
1 43 13 12 00	CONGRINA	1925	JORDAN & HUBBS
1 43 13 12 04	MACROSOMA	1951	GINSBURG
1 43 13 13 00	PROMYLLANTOR	1890	ALCOCK
1 43 13 13 01	PERTURATOR	1927	PARR
1 43 13 13 02	SCHMITTI	1940	HILDEBRAND
1 43 13 14 00	UROCONGER	1856	KAUP
1 43 13 14 01	SYRINGINUS	1954	GINSBURG
1 43 13 15 00	PARACONGER	1961	KANAZAWA
1 43 13 15 01	GUIANENSIS	1961	KANAZAWA
1 43 13 15 02	CAUDILIMBATUS	1867	POEY

1 43 13 16 00	NEOCONGER	1859 GIRARD
1 43 13 16 01	MUCRONATUS	1858 GIRARD
1 43 13 18 00	GNATHOPHIS	1860 KAUP
1 43 13 20 00	BATHYCONGER	1898 OGILBY
1 43 13 20 01	DUBIUS	1927 BREDER
1 43 13 20 02	FLAVA	1895 GOODE & BEAN
1 43 13 20 03	GRACILIOR	1951 GINSBURG
1 43 13 20 04	THYSANOCHILA	1934 REID
1 43 13 20 05	VICINUS	1883 VAILLANT
1 43 13 21 00	PSEUDOXENOMYSTAX	1927 BREDER
1 43 13 22 00	XENOMYSTAX	1891 GILBERT
1 43 13 23 00	PARABATHYMYRUS	1938 KAMOHARA
1 43 15 00 00	OPHICHTHYIDAE	
1 43 15 00 00	*ECHELIDAE	
1 43 15 00 00	*NEENCHELYIDAE	
1 43 15 02 00	MYSTRIOPHIS	1856 KAUP
1 43 15 02 01	INTERTINCTUS	1844 RICHARDSON
1 43 15 04 00	OPHICHTHUS	1789 THUNBERG
1 43 15 04 00	*OPHICHTHYS	1839 SWAINSON
1 43 15 04 01	GOMESII	1855 CASTELNAU
1 43 15 04 02	OCELLATUS	1825 LESUEUR
1 43 15 04 03	RETROPINNIS	1887 EIGENMANN
1 43 15 04 04	MELANOPORUS	1963 KANAZAWA
1 43 15 08 00	SPHAGEBRANCHUS	1795 BLOCH
1 43 15 08 01	ANGUIFORMIS	1876 PETERS

1 43 15 11 00	LETHARCHUS	1882 GOODE & BEAN
1 43 15 11 01	VELIFER	1882 GOODE & BEAN
1 43 15 12 00	SCYTALOPHIS	1856 KAUP
1 43 15 12 01	PARILIS	1844 RICHARDSON
1 43 15 13 00	CALLECHELYS	1856 KAUP
1 43 15 13 01	MURAENA	1886 JORDAN & EVERMANN
1 43 15 13 02	PERRYAE	1939 STOREY
1 43 15 14 00	CRYPTOPTERYGIUM	1951 GINSBURG
1 43 15 14 01	HOLOCHROMA	1951 GINSBURG
1 43 15 15 00	VERMA	1896 JORDAN & EVERMANN
1 43 15 15 01	KENDALLI	1891 GILBERT
1 43 15 16 00	MYRICHTHYS	1859 GIRARD
1 43 15 16 01	OCULATUS	1856 KAUP
1 43 15 16 02	TIGRINUS	1859 GIRARD
1 43 15 17 00	GORDIICHTHYS	1892 JORDAN & DAVIS
1 43 15 17 01	IRRETITUS	1892 JORDAN & DAVIS
1 43 15 18 00	AHLIA	1892 JORDAN & DAVIS
1 43 15 18 01	EGMONTIS	1884 JORDAN
1 43 15 19 00	MYROPHIS	1851 LUTKEN
1 43 15 19 01	PLATYRHYNCHUS	1927 BREDER
1 43 15 19 02	PUNCTATUS	1851 LUTKEN
1 43 15 20 00	PSEUDOMYROPHIS	1946 WADE
1 43 15 20 01	NIMIUS	1960 BOHLKE
1 43 17 00 00	DYSOMMIDAE	
1 43 17 01 00	DYSOMMA	1889 ALCOCK

1 43 17 01 01	APHODODERA	1951 GINSBURG
1 43 17 02 00	DYSOMMINA	1951 GINSBURG
1 43 17 02 01	RUGOSA	1951 GINSBURG
1 43 18 00 00	SYNAPHOBRANCHIDAE	
1 43 18 00 00	*ILYOPHIDAE	
1 43 18 01 00	SYNAPHOBRANCHUS	1862 JOHNSON
1 43 18 01 00	*HISTIOBRANCHUS	1883 GILL
1 43 18 01 01	AFFINIS	1862 JOHNSON
1 43 18 01 02	BREVIDORSALIS	1887 GUNTHER
1 43 18 01 03	KAUPII	1862 JOHNSON
1 43 18 01 04	OREGONI	1960 CASTLE
1 43 18 01 05	PINNATUS	1854 GRONOW
1 43 18 03 00	ILYOPHIS	1891 GILBERT
1 43 18 03 01	BRUNNEUS	1891 GILBERT
1 43 19 00 00	NETTODARIDAE	
1 43 21 00 00	SERRIVOMERIDAE	
1 43 21 01 00	SERRIVOMER	1883 GILL & RYDER
1 43 21 01 01	BEANII	1883 GILL & RYDER
1 43 21 02 00	PLATURORIDES	1929 ROULE & BERTI
1 43 21 02 01	OPHIOCEPHALUS	1927 PARR
1 43 22 00 00	NEMICHTHYIDAE	
1 43 22 01 00	BORODINULA	1931 WHITLEY
1 43 22 02 00	NEMICHTHYS	1848 RICHARDSON
1 43 22 02 01	SCOLOPACEUS	1848 RICHARDSON
1 43 22 03 00	LABICHTHYS	1888 GILL & RYDER

1 43 22 03 01	CARINATUS	1883 GILL & RYDER
1 46 00 00 00	NOTACANTHIFORMES	
1 46 01 00 00	HALOSAURIDAE	
1 46 01 01 00	ALDROVANDIA	1896 GOODE
1 46 01 01 01	AFFINIS	1877 GUNTHER
1 46 01 01 01	*PHALACRA	1888 VAILLANT
1 46 01 01 02	GRACILIS	1895 GOODE & BEAN
1 46 01 01 03	PALLIDA	1895 GOODE & BEAN
1 46 01 02 00	HALOSAURUS	1863 JOHNSON
1 46 01 02 01	GUNTHERI	1895 GOODE & BEAN
1 46 01 02 02	JOHNSONIANUS	1888 VAILLANT
1 46 01 02 03	OWENI	1863 JOHNSON
1 46 02 00 00	NOTACANTHIDAE	
1 46 02 01 00	NOTACANTHUS	1788 BLOCH
1 46 02 01 01	CHEMNITZI	1788 BLOCH
1 46 02 01 01	*ANALIS	1883 GILL
1 46 02 02 00	POLYACANTHONOTUS	1874 BLEEKER
1 47 00 00 00	BELONIFORMES	
1 47 01 00 00	BELONIDAE	
1 47 01 01 00	ABLENNES	1887 JORDAN & FORDICE
1 47 01 01 01	HIANS	1846 VALENCIENNES
1 47 01 02 00	PLATYBELONE	1919 FOWLER
1 47 01 02 01	ARGALUS	1821 LE SUEUR
1 47 01 03 00	STRONGYLURA	1823 VAN HASSELT
1 47 01 03 01	MARINA	1792 WALBAUM

1 47 01 03 02	NOTATA	1860 POEY
1 47 01 03 03	TIMUCU	1792 WALBAUM
1 47 01 04 00	TYLOSURUS	1833 COCCO
1 47 01 04 01	ACUS	1802 LACEPEDE
1 47 01 04 02	CROCODILUS	1821 PERON & LE SUEUR
1 47 02 00 00	SCOMBERESOCIDAE	
1 47 02 01 00	SCOMBERESOX	1803 LACEPEDE
1 47 02 01 01	SAURUS	1792 WALBAUM
1 47 03 00 00	HEMIRAMPHIDAE	
1 47 03 03 00	CHRIODORUS	1882 GOODE & BEAN
1 47 03 03 01	ATHERINOIDES	1882 GOODE & BEAN
1 47 03 05 00	HYPORHAMPHUS	1859 GILL
1 47 03 05 01	UNIFASCIATUS	1842 RANZANI
1 47 03 05 02	ROBERTI	1846 VALENCIENNES
1 47 03 05 03	HILDEBRANDI	1927 JORDAN & EVERMANN
1 47 03 08 00	EULEPTORHAMPHUS	1859 GILL
1 47 03 08 01	VELOX	1868 POEY
1 47 03 09 00	HEMIRAMPHUS	1817 CUVIER
1 47 03 09 01	BALAO	1823 LESUEUR
1 47 03 09 02	BRASILIENSIS	1758 LINNAEUS
1 47 03 09 03	BERMUDENSIS	1962 COLLETTE
1 47 03 10 00	OXYPORHAMPHUS	1863 GILL
1 47 03 10 01	MICROPTERUS	1846 VALENCIENNES
1 47 04 00 00	EXOCOETIDAE	
1 47 04 02 00	DANICHTHYS	1934 BRUUN

1 47 04 02 01	RONDELETII	1846 VALENCIENNES
1 47 04 03 00	EXOCOETUS	1758 LINNAEUS
1 47 04 03 01	OBTUSIROSTRIS	1866 GUNTHER
1 47 04 03 02	VOLITANS	1758 LINNAEUS
1 47 04 06 00	PAREXOCOETUS	1866 BLEEKER
1 47 04 06 01	BRACHYPTERUS	1846 RICHARDSON
1 47 04 07 00	CYPSELURUS	1838 SWAINSON
1 47 04 07 01	COMATUS	1815 MITCHILL
1 47 04 07 03	CYANOPTERUS	1846 VALENCIENNES
1 47 04 07 04	EXSILIENS	1771 LINNAEUS
1 47 04 07 05	FURCATUS	1815 MITCHILL
1 47 04 07 06	HETERURUS	1810 RAFINESQUE
1 47 04 07 07	PINNATIBARBATUS	1831 BENNETT
1 47 04 09 00	HIRUNDICHTHYS	1928 BREDER
1 47 04 09 01	AFFINIS	1866 GUNTHER
1 47 04 09 02	SPECULIGER	1846 VALENCIENNES
1 47 04 10 00	PROGNICHTHYS	1928 BREDER
1 47 04 10 01	GIBBIFRONS	1846 VALENCIENNES
1 47 04 11 00	FODIATOR	1885 JORDAN & MEEK
1 47 04 11 01	ACUTUS	1846 VALENCIENNES
1 48 00 00 00	GADIFORMES	
1 48 01 00 00	GADIDAE	
1 48 01 01 00	UROPHYCIS	1864 GILL
1 48 01 01 01	CHESTERI	1878 GOODE & BEAN
1 48 01 01 02	CIRRATUS	1896 GOODE & BEAN

1 48 01 01 03	FLORIDANUS	1884 BEAN & DRESEL
1 48 01 01 05	REGIUS	1792 WALBAUM
1 48 01 01 06	TENUIS	1815 MITCHILL
1 48 01 01 07	CHUSS	1792 WALBAUM
1 48 01 01 08	EARLLI	1880 BEAN
1 48 01 02 00	ENCHELYOPUS	1801 BLOCH & SCHNEIDER
1 48 01 02 01	CIMBRIUS	1766 LINNAEUS
1 48 02 00 00	MORIDAE	
1 48 02 01 00	LAEMONEMA	1862 GUNTHER
1 48 02 01 01	BARBATULUM	1883 GOODE & BEAN
1 48 02 01 02	MELANURUM	1896 GOODE & BEAN
1 48 02 02 00	PHYSICULUS	1858 KAUP
1 48 02 02 01	FULVUS	1884 BEAN
1 48 02 03 00	BROSMICULUS	1888 VAILLIANT
1 48 02 03 01	IMBERBIS	1888 VAILLIANT
1 48 03 00 00	BREGMACEROTIDAE	
1 48 03 01 00	BREGMACEROS	1840 THOMPSON
1 48 03 01 01	ATLANTICUS	1886 GOODE & BEAN
1 48 04 00 00	MERLUCCIIDAE	
1 48 04 14 00	MERLUCCIUS	1810 RAFINESQUE
1 48 04 14 01	ALBIDUS	1818 MITCHILL
1 48 04 14 03	BILINEARIS	1814 MITCHILL
1 48 04 14 04	MAGNOCULUS	1954 GINSBURG
1 48 04 15 00	STEINDACHNERIA	1888 GOODE & BEAN
1 48 04 15 01	ARGENTEA	1896 GOODE & BEAN

1 48 05 00 00	MELANONIDAE	
1 48 05 01 00	MELANONUS	1878 GUNTHER
1 48 05 01 01	ZUGMAYERI	1930 NORMAN
1 48 05 01 01	*UNIPENNIS	1932 BEEBE
1 48 06 00 00	MACRURIDAE	
1 48 06 00 00	*MACROUROIDIDAE	
1 48 06 01 00	BATHYGADUS	1878 GUNTHER
1 48 06 01 01	ARCUATUS	1886 GOODE & BEAN
1 48 06 01 02	FAVOSUS	1886 GOODE & BEAN
1 48 06 01 04	LONGIFILIS	1885 GOODE & BEAN
1 48 06 01 05	MACROPS	1885 GOODE & BEAN
1 48 06 01 06	VAILLANTI	1933 ROULE & ANGEL
1 48 06 04 00	HYMENOCEPHALUS	1884 GIGLIOLI
1 48 06 04 01	CAVERNOSUS	1885 GOODE & BEAN
1 48 06 04 02	ITALICUS	1884 GIGLIOLI
1 48 06 09 00	CAPIBURUS	1946 PARR
1 48 06 09 01	ZANIOPHORUS	1888 VAILLANT
1 48 06 10 00	CHALINURA	1882 GOODE & BEAN
1 48 06 10 01	MURRAYI	1878 GUNTHER
1 48 06 12 00	COELORHYNCHUS	1805 GIORNA
1 48 06 12 01	CARIBBAEUS	1885 GOODE & BEAN
1 48 06 12 02	CARMINATUS	1880 GOODE
1 48 06 13 00	GADOMUS	1903 REGAN
1 48 06 13 01	ARCUATUS	1886 GOODE & BEAN
1 48 06 13 02	LONGIFILIS	1885 GOODE & BEAN

1 48 06 14 00	MALACOCEPHALUS	1862 GUNTHER
1 48 06 14 01	LAEVIS	1843 LOWE
1 48 06 14 02	OCCIDENTALIS	1885 GOODE & BEAN
1 48 06 15 00	NEZUMIA	1904 JORDAN & GILBERT
1 48 06 15 01	BAIRDII	1877 GOODE & BEAN
1 48 06 15 02	HILDEBRANDI	1946 PARR
1 48 06 16 00	OXYGADUS	1920 GILBERT & HUBBS
1 48 06 16 01	OCCA	1886 GOODE & BEAN
1 48 06 17 00	TRACHONURUS	1888 GUNTHER
1 48 06 17 01	SULCATUS	1885 GOODE & BEAN
1 48 06 19 00	VENTRIFOSSA	1920 GILBERT & HUBBS
1 48 06 19 01	ATLANTICA	1946 PARR
1 48 06 20 00	NEMATONURUS	1888 GUNTHER
1 48 06 20 01	ARMATUS	1875 HECTOR
1 48 06 21 00	CORYPHAENOIDES	1761 GUNNER
1 48 06 21 01	MEXICANUS	1946 PARR
1 48 06 22 00	CETONURUS	1888 GUNTHER
1 48 06 22 01	GLOBICEPS	1888 VAILLANT
1 48 06 24 00	GRENURUS	1946 PARR
1 48 06 24 01	GRENADAE	1946 PARR
1 48 06 25 00	SQUALOGADUS	1916 GILBERT & HUBBS
1 48 06 25 01	INTERMEDIUS	1956 GREY
1 48 06 25 02	MODIFICATUS	1920 GILBERT & HUBBS
1 50 00 00 00	GASTEROSTEIFORMES	
1 51 00 00 00	SYNGNATHIFORMES	

1 51 01 00 00	AULOSTOMIDAE	
1 51 01 01 00	AULOSTOMUS	1803 LACEPEDE
1 51 01 01 01	MACULATUS	1845 VALENCIENNES
1 51 02 00 00	FISTULAPIIDAE	
1 51 02 01 00	FISTULARIA	1758 LINNAEUS
1 51 02 01 01	PETIMBA	1803 LACEPEDE
1 51 02 01 02	TABACARIA	1758 LINNAEUS
1 51 03 00 00	MACRORHAMPHOSIDAE	
1 51 03 02 00	MACRORHAMPHOSUS	1803 LACEPEDE
1 51 03 02 01	GRACILIS	1839 LOWE
1 51 03 02 02	SCOLOPAX	1758 LINNAEUS
1 51 06 00 00	SYNGNATHIDAE	
1 51 06 01 00	AMPHELIKTURUS	1906 BARBOUR
1 51 06 01 01	DENDRITICUS	1906 BARBOUR
1 51 06 06 00	HIPPOCAMPUS	1810 RAFINESQUE
1 51 06 06 01	ERECTUS	1810 PERRY
1 51 06 06 01	*HUDSONIUS	1842 DEKAY
1 51 06 06 03	PUNCTULATUS	1853 GUICHENOT
1 51 06 06 04	REIDI	1933 GINSBURG
1 51 06 06 05	OBTUSUS	1933 GINSBURG
1 51 06 06 06	ZOSTERAE	1882 JORDAN & GILBERT
1 51 06 08 00	MICROPHIS	1853 KAUP
1 51 06 15 00	SYNGNATHUS	1758 LINNAEUS
1 51 06 15 01	DUNCKERI	1919 METZELAAR
1 51 06 15 02	ELUCENS	1868 POEY

1 51 06 15 03	PELAGICUS	1758 LINNAEUS
1 51 06 15 04	SPRINGERI	1942 HERALD
1 51 06 15 05	FUSCUS	1839 STORER
1 51 06 15 06	LOUISIANAE	1870 GUNTHER
1 51 06 15 07	FISTULATUS	1868 PETERS
1 51 06 16 00	MICROGNATHUS	1912 DUNCKER
1 51 06 17 00	CORYTHOICHTHYS	1853 KAUP
1 51 06 17 01	ALBIROSTRIS	1853 HECKEL
1 51 06 17 02	PROFUNDUS	1965 HERALD
1 51 06 18 00	OOSTETHUS	1929 HUBBS
1 51 06 18 01	LINEATUS	1856 VALENCIENNES
1 53 00 00 00	LAMPRIDIFORMES	
1 53 01 00 00	LAMPRIDIDAE	
1 53 01 01 00	LAMPRIS	1799 RETZIUS
1 53 01 01 01	REGIUS	1788 BONNATERRE
1 53 02 00 00	REGALECIDAE	
1 53 02 01 00	REGALECUS	1771 BRUNNICH
1 53 02 01 01	GLESNE	1788 ASCANIUS
1 53 03 00 00	TRACHYPTERIDAE	
1 53 03 01 00	TRACHIPTERUS	1770 GOUAN
1 53 03 02 00	DESMODEMA	1960 WALTERS & FITCH
1 53 03 02 01	POLYSTICTUS	1898 OGILBY
1 53 03 03 00	ZU	1960 WALTERS & FITCH
1 53 04 00 00	LOPHOTIDAE	
1 53 04 01 00	LOPHOTUS	1809 GIORNA

PASCAGOULA BIONUMERIC CODE
(*SYNONYM)

1 53 05 00 00	STYLEPHORIDAE	
1 53 05 01 00	STYLEPHORUS	1791 SHAW
1 53 05 01 01	CHORDATUS	1791 SHAW
1 60 00 00 00	STEPHANOBERYCIFORMES	
1 60 01 00 00	STEPHANOBERYCIDAE	
1 60 01 01 00	STEPHANOBERYX	1883 GILL
1 60 01 01 01	MONAE	1883 GILL
1 60 02 00 00	GIBBERICHTHYIDAE	
1 60 02 01 00	GIBBERICHTHYS	1934 PARR
1 60 02 01 01	PUMILIS	1934 PARR
1 60 03 00 00	MELAMPHAIDAE	
1 60 03 01 00	MELAMPHAES	1864 GUNTHER
1 60 03 01 00	*PLECTROMUS	1883 GILL
1 60 03 02 00	POROMITRA	1881 GOODE & BEAN
1 60 03 02 01	CRASSICEPS	1887 GUNTHER
1 60 03 02 02	MEGALOPS	1877 LUTKEN
1 60 03 03 00	SCOPELOBERYX	1911 ZUGMAYER
1 60 03 03 01	OPISTHOPTERUS	1933 PARR
1 60 03 04 00	SCOPELOGADUS	1888 VAILLANT
1 60 03 04 01	MIZOLEPIS	1878 GUNTHER
1 60 03 04 02	BEANI	1887 GUNTHER
1 61 00 00 00	BERYCIFORMES	
1 61 01 00 00	POLYMIXIIDAE	
1 61 01 01 00	POLYMIXIA	1838 LOWE
1 61 01 01 01	LOWEI	1859 GUNTHER

1 61 01 01 02	NOBILIS	1838 LOWE
1 61 02 00 00	BERYCIDAE	
1 61 02 01 00	BERYX	1829 CUVIER
1 61 02 01 01	SPLENDENS	1833 LOWE
1 61 02 01 02	DECADACTYLUS	1829 CUVIER & VALENCIENNES
1 61 03 00 00	DIRETMIDAE	
1 61 03 01 00	DIRETMUS	1864 JOHNSON
1 61 03 01 01	ARGENTEUS	1863 JOHNSON
1 61 03 02 00	GYRINOMIMUS	1934 PARR
1 61 03 02 01	PARRI	1961 BIGELOW
1 61 04 00 00	CARISTIIDAE	
1 61 04 01 00	CARISTIUS	1905 GILL & SMITH
1 61 04 01 01	JAPONICUS	1905 GILL & SMITH
1 61 05 00 00	TRACHICHTHYIDAE	
1 61 05 01 00	HOPLOSTETHUS	1829 CUVIER & VALENCIENNES
1 61 05 01 01	MEDITERRANEUS	1829 CUVIER & VALENCIENNES
1 61 05 03 00	TRACHICHTHYS	1799 SHAW
1 61 05 04 00	GEPHYROBERYX	1902 BOULENGER
1 61 05 04 01	DARWINI	1866 JOHNSON
1 61 05 05 00	PARATRACHICHTHYS	1899 WAITE
1 61 05 05 01	ARGYROPHANUS	1961 WOODS
1 61 11 00 00	HOLOCENTRIDAE	
1 61 11 02 00	HOLOCENTRUS	1763 GRONOVIUS
1 61 11 02 01	ASCENSIONIS	1771 OSBECK
1 61 11 02 02	RUFUS	1792 WALBAUM

1 61 11 03 00	ADIORYX		
1 61 11 03 01		BULLISI	1955 WOODS
1 61 11 03 02		CORUSCUS	1861 POEY
1 61 11 03 03		VEXILLARIUS	1861 POEY
1 61 11 04 00	FLAMMEO		
1 61 11 04 01		MARIANUS	1829 CUVIER
1 61 11 05 00	MYRIPRISTIS		1827 CUVIER
1 61 11 05 01		JACOBUS	1829 CUVIER & VALENCIENNES
1 61 11 06 00	OSTICHTHYS		1896 JORDAN & EVERMANN
1 61 11 06 01		TRACHYPOMUS	1859 GUNTHER
1 61 11 07 00	CORNIGER		1829 AGASSIZ
1 61 11 07 01		SPINOSUS	1829 AGASSIZ
1 61 14 00 00	ANOPLOGASTERIDAE		
1 61 14 00 00	*CAULOLEPIDAE		
1 61 14 01 00		ANOPLOGASTER	1859 GUNTHER
1 61 14 01 00		*CAULOLEPIS	1883 GILL
1 61 14 01 01		CORNUTUS	1833 CUVIER & VALENCIENNES
1 61 14 01 01		*LONGIDENS	1883 GILL
1 62 00 00 00	ZEIFORMES		
1 62 01 00 00	ZEIDAE		
1 62 01 02 00		ZENOPSIS	1862 GILL
1 62 01 02 02		OCELLATUS	1858 STORER
1 62 01 04 00		CYTTOPSIS	1862 GILL
1 62 01 04 01		ROSEUS	1843 LOWE
1 62 01 05 00		ZENION	1896 JORDAN & EVERMANN

1 62 01 05 01		HOLOLEPIS	1896 GOODE & BEAN
1 62 01 06 00		PARAZEN	1935 KAMOHARA
1 62 01 06 01		PACIFICUS	1935 KAMOHARA
1 62 02 00 00	GRAMMICOLEPIDAE		
1 62 02 02 00		GRAMMICOLEPIS	1873 POEY
1 62 02 02 01		BRACHIUSCULUS	1873 POEY
1 62 02 03 00		XENOLEPIDICHTHYS	1922 GILCHRIST
1 62 02 03 01		AMERICANUS	1939 NICHOLS & FIRTH
1 62 02 03 02		DALGLEISHI	1922 GILCHRIST
1 62 03 00 00	CAPROIDAE		
1 62 03 01 00		ANTIGONIA	1843 LOWE
1 62 03 01 01		CAPROS	1843 LOWE
1 62 03 01 02		COMBATIA	1958 BERRY & RATHJEN
1 65 00 00 00	MUGILIFORMES		
1 65 01 00 00	MUGILIDAE		
1 65 01 01 00		AGONOSTOMUS	1832 BENNETT
1 65 01 01 01		MONTICOLA	1836 BANCROFT
1 65 01 03 00		CHAENOMUGIL	1863 GILL
1 65 01 03 01		PROBOSCIDEUS	1861 GUNTHER
1 65 01 08 00		MUGIL	1758 LINNAEUS
1 65 01 08 01		CEPHALUS	1758 LINNAEUS
1 65 01 08 02		CUREMA	1836 CUVIER & VALENCIENNES
1 65 01 08 03		GAIMARDIANUS	1831 DESMAREST
1 65 01 08 04		LIZA	1836 CUVIER & VALENCIENNES
1 65 01 08 05		TRICHODON	1875 POEY

1 65 02 00 00	ATHERINIDAE	
1 65 02 02 00	ALLANETTA	1934 WHITLEY
1 65 02 02 01	ARAEA	1877 GOODE
1 65 02 03 00	MEMBRAS	1836 BONAPARTE
1 65 02 03 01	MARTINICUS	1835 CUVIER & VALENCIENNES
1 65 02 22 00	MENIDIA	1836 BONAPARTE
1 65 02 22 01	MENIDIA	1766 LINNAEUS
1 65 02 30 00	ATHERINOMORUS	1903 FOWLER
1 65 02 30 01	STIPES	1847 MULLER & TROSCHEL
1 65 03 00 00	SPHYRAENIDAE	
1 65 03 01 00	SPHYRAENA	1792 WALBAUM
1 65 03 01 01	BARRACUDA	1792 WALBAUM
1 65 03 01 02	BOREALIS	1842 DEKAY
1 65 03 01 03	GUACHANCHO	1829 CUVIER & VALENCIENNES
1 65 03 01 05	PICUDILLA	1861 POEY
1 66 00 00 00	POLYNEMIFORMES	
1 66 01 00 00	POLYNEMIDAE	
1 66 01 04 00	POLYDACTYLUS	1803 LACEPEDE
1 66 01 05 00	POLYNEMUS	1758 LINNAEUS
1 66 01 05 01	APPROXIMANS	1839 LAY & BENNETT
1 66 01 05 03	OCTONEMUS	1858 GIRARD
1 66 01 05 04	VIRGINICUS	1758 LINNAEUS
1 70 00 00 00	PERCIFORMES	
1 70 01 00 00	CENTROPOMIDAE	
1 70 01 02 00	CENTROPOMUS	1802 LACEPEDE

1 70 01 02 01	ENSIFERUS	1861 POEY
1 70 01 02 02	UNIONENSIS	1868 BOCOURT
1 70 01 02 03	CONSTANTINUS	1896 JORDAN & STARKS
1 70 01 02 04	PARALLELUS	1861 POEY
1 70 01 02 05	PECTINATUS	1861 POEY
1 70 01 02 06	UNDECIMALIS	1792 BLOCH
1 70 02 00 00	SERRANIDAE	
1 70 02 00 00	*ANTHIIDAE	
1 70 02 02 00	ALPHESTES	1801 SCHNEIDER
1 70 02 02 01	MULTIGUTTATUS	1866 GUNTHER
1 70 02 02 02	AFER	1793 BLOCH
1 70 02 03 00	BATHYANTHIAS	1880 GUNTHER
1 70 02 04 00	CEPHALOPHOLIS	1801 SCHNEIDER
1 70 02 04 01	FULVA	1758 LINNAEUS
1 70 02 04 02	ACANTHISTIUS	1891 GILBERT
1 70 02 07 00	DERMATOLEPIS	1861 GILL
1 70 02 07 01	INERMIS	1833 CUVIER & VALENCIENNES
1 70 02 09 00	DIPLECTRUM	1855 HOLBROOK
1 70 02 09 01	ARCUARIUM	1948 GINSBURG
1 70 02 09 02	RADIALE	1824 QUOY & GAIMARD
1 70 02 09 02	*BIVITTATUM	1828 VALENCIENNES
1 70 02 09 03	FORMOSUM	1766 LINNAEUS
1 70 02 09 04	PACIFICUM	1925 MEEK & HILDEBRAND
1 70 02 12 00	EPINEPHELUS	1793 BLOCH
1 70 02 12 01	NIVEATUS	1828 CUVIER & VALENCIENNES

1 70 02 12 02	NIGRITUS	1855 HOLBROOK
1 70 02 12 03	ADSCENSIONIS	1757 OSBECK
1 70 02 12 04	ANALOGUS	1863 GILL
1 70 02 12 05	DRUMMONDHAYI	1878 GOODE & BEAN
1 70 02 12 06	FLAVOLIMBATUS	1866 POEY
1 70 02 12 08	GUTTATUS	1758 LINNAEUS
1 70 02 12 09	ITAJARA	1821 LICHTENSTEIN
1 70 02 12 11	MORIO	1828 CUVIER & VALENCIENNES
1 70 02 12 12	MYSTACINUS	1852 POEY
1 70 02 12 15	STRIATUS	1792 BLOCH
1 70 02 12 16	LABRIFORMIS	1840 JENYNS
1 70 02 14 00	GONIOPLECTRUS	1863 GILL
1 70 02 14 03	HISPANUS	1828 CUVIER & VALENCIENNES
1 70 02 15 00	HYPOPLECTRUS	1862 GILL
1 70 02 15 01	UNICOLOR	1792 WALBAUM
1 70 02 21 00	MYCTEROPERCA	1863 GILL
1 70 02 21 01	BONACI	1861 POEY
1 70 02 21 02	FALCATA	1861 POEY
1 70 02 21 03	INTERSTITIALIS	1861 POEY
1 70 02 21 04	MICROLEPIS	1879 GOODE & BEAN
70 02 21 05	PHENAX	1884 JORDAN & SWAIN
70 02 21 07	VENENOSA	1758 LINNAEUS
70 02 23 00	NEOSCOMBROPS	1922 GILCHRIST
70 02 26 00	PARALABRAX	1856 GIRARD
70 02 26 01	DEWEGERI	1919 METZELAAR

1 70 02 27 00	PAPANTHIAS	1868 GUICHENOT
1 70 02 27 01	FURCIFER	1828 CUVIER & VALENCIENNES
1 70 02 30 00	PETROMETOPON	1865 GILL
1 70 02 30 01	CRUENTATUS	1802 LACEPEDE
1 70 02 31 00	PIKEA	1875 STEINDACHNER
1 70 02 31 01	CUBENSIS	1958 SCHULTZ
1 70 02 31 02	MEXICANA	1958 SCHULTZ
1 70 02 39 00	ROCCUS	1814 MITCHILL
1 70 02 39 01	AMERICANUS	1789 GMELIN
1 70 02 42 00	SERRANUS	1817 CUVIER
1 70 02 42 00	*DULES	1829 CUVIER & VALENCIENNES
1 70 02 42 00	*PARACENTROPRISTIS	1884 KLUNZINGER
1 70 02 42 00	*PRIONODES	1840 JENYNS
1 70 02 42 01	ANNULARIS	1880 GUNTHER
1 70 02 42 02	ATROBRANCHUS	1829 CUVIER
1 70 02 42 05	CHIONARAIA	1961 ROBINS & STARKS
1 70 02 42 06	LUCIOPERCANUS	1852 POEY
1 70 02 42 07	NOTOSPILUS	1935 LONGLEY
1 70 02 42 08	PHOEBE	1852 POEY
1 70 02 42 09	SUBLIGARIUS	1870 COPE
1 70 02 42 10	TABACARIUS	1829 CUVIER
1 70 02 42 11	TORTUGARUM	1935 LONGLEY
1 70 02 42 12	BALDWINI	1900 EVERMANN & MARSH
1 70 02 42 13	MAYTAGI	1961 ROBINS & STARKS
1 70 02 42 14	TIGRINUS	1790 BLOCH

1 70 02 48 00	CENTROPRISTIS	1829 CUVIER
1 70 02 48 02	MELANUS	1952 GINSBURG
1 70 02 48 04	OCYURUS	1886 JORDAN & EVERMANN
1 70 02 48 05	PHILADELPHICUS	1758 LINNAEUS
1 70 02 48 06	STRIATUS	1758 LINNAEUS
1 70 02 48 07	FUSCULUS	1861 POEY
1 70 02 50 00	HEMANTHIAS	1874 STEINDACHNER
1 70 02 50 00	*ANTHIASICUS	1952 GINSBURG
1 70 02 50 01	VIVANUS	1884 JORDAN & SWAIN
1 70 02 50 02	LEPTUS	1952 GINSBURG
1 70 02 51 00	OCYANTHIAS	1896 JORDAN & EVERMANN
1 70 02 51 01	MARTINICENSIS	1868 GUICHENOT
1 70 02 53 00	PRONOTOGRAMMUS	1863 GILL
1 70 02 53 01	AURORUBENS	1935 LONGLEY
1 70 02 54 00	SERRANICULUS	1952 GINSBURG
1 70 02 54 01	PUMILIO	1952 GINSBURG
1 70 02 56 00	LIOPROPOMA	1861 GILL
1 70 02 56 00	*CHORISTISTIUM	1862 GILL
1 70 02 56 01	ABERRANS	1861 POEY
1 70 02 56 02	EUKRINES	1962 STARCK & COURTENAY
1 70 02 58 00	SCHULTZEA	1965 WHITLEY
1 70 02 58 01	BETA	1940 HILDEBRAND
1 70 02 58 01	*CAMPECHANUS	1958 WOODS
1 70 02 59 00	PLECTRANTHIAS	1873 BLEEKER
1 70 02 59 01	GARRUPELLUS	1961 ROBINS & STARK

1 70 02 60 00	ANTHIAS	1792 BLOCH
1 70 02 60 01	ASPERILINGUIS	1859 GUNTHER
1 70 02 60 02	NICHOLSI	1933 FIRTH
1 70 02 60 03	TENUIS	1920 NICHOLS
1 70 03 00 00	GRAMMISTIDAE	
1 70 03 01 00	RYPTICUS	1829 CUVIER & VALENCIENNES
1 70 03 01 01	ARENATUS	1829 CUVIER & VALENCIENNES
1 70 03 01 02	BISTRISPINUS	1818 MITCHILL
1 70 03 01 03	NIGRIPINNIS	1861 GILL
1 70 03 01 04	SAPONACEUS	1801 BLOCH & SCHNEIDER
1 70 03 01 06	MACULATUS	1855 HOLBROOK
1 70 03 01 07	RANDALLI	1967 COURTENAY
1 70 03 01 08	BRACHYRHINUS	1967 COURTENAY
1 70 05 00 00	PRIACANTHIDAE	
1 70 05 01 00	PRIACANTHUS	1817 OKEN
1 70 05 01 01	ARENATUS	1829 CUVIER & VALENCIENNES
1 70 05 01 02	CRUENTATUS	1802 LACEPEDE
1 70 05 02 00	PSEUDOPRIACANTHUS	1869 BLEEKER
1 70 05 02 01	ALTUS	1862 GILL
1 70 05 03 00	COOKEOLUS	1928 FOWLER
1 70 05 03 01	BOOPS	1801 BLOCH & SCHNEIDER
1 70 06 00 00	APOGONIDAE	
1 70 06 02 00	APOGON	1802 LACEPEDE
1 70 06 02 01	AUROLINEATUS	1927 MOWBRAY
1 70 06 02 02	BINOTATUS	1867 POEY

1 70 06 02 03		MACULATUS	1861 POEY
1 70 06 02 03		*SELLICAUDA	1902 EVERMANN & MARSH
1 70 06 02 05		PIGMENTARIUS	1861 POEY
1 70 06 02 06		PLANIFRONS	194C LONGLEY & HILDEBRAND
1 70 06 02 07		PSEUDOMACULATUS	1940 LONGLEY
1 70 06 02 08		QUADRISQUAMATUS	1940 LONGLEY
1 70 06 02 10		STELLATUS	1869 COPE
1 70 06 02 11		TOWNSENDI	1927 BREDER
1 70 06 02 12		ALUTUS	1882 JORDAN & GILBERT
1 70 06 02 13		CONKLINI	1916 SILVESTER
1 70 06 02 14		AMERICANUS	1855 CASTELNAU
1 70 06 03 00	CHEILODIPTERUS		1802 LACEPEDE
1 70 06 03 01		AFFINIS	1876 POEY
1 70 06 04 00	EPIGONUS		1810 RAFINESQUE
1 70 06 04 01		PANDIONIS	1881 GOODE & BEAN
1 70 06 04 02		OCCIDENTALIS	1896 GOODE & BEAN
1 70 06 05 00	OXYODON		1906 BRAUER
1 70 06 07 00	SYNAGROPS		1887 GUNTHER
1 70 06 07 01		BELLA	1895 GOODE & BEAN
1 70 06 07 02		PSEUDOMICROLEPIS	1940 SCHULTZ
1 70 06 07 04		SPINOSA	1940 SCHULTZ
1 70 06 10 00	HOWELLA		1899 OGILBY
1 70 06 10 01		SHERBORNI	1930 HORMAN
1 70 06 11 00	SPHYRAENOPS		1860 POEY
1 70 06 11 01		BAIRDIANUS	1861 POEY

1 70 07 00 00	BRANCHIOSTEGIDAE	
1 70 07 01 00	CAULOLATILUS	1862 GILL
1 70 07 01 01	CYANOPS	1866 POEY
1 70 07 01 02	INTERMEDIUS	1936 HOWELL-RIVERO
1 70 07 01 03	MICROPS	1878 GOODE & BEAN
1 70 07 02 00	LOPHOLATILUS	1879 GOODE & BEAN
1 70 07 02 01	CHAMAELEONTICEPS	1879 GOODE & BEAN
1 70 07 03 00	MALACANTHUS	1829 CUVIER
1 70 07 03 01	PLUMIERI	1787 BLOCH
1 70 08 00 00	POMATOMIDAE	
1 70 08 01 00	POMATOMUS	1802 LACEPEDE
1 70 08 01 01	SALTATRIX	1758 LINNAEUS
1 70 09 00 00	ECHENEIDAE	
1 70 09 01 00	ECHENEIS	1758 LINNAEUS
1 70 09 01 01	NAUCRATES	1758 LINNAEUS
1 70 09 02 00	PHTHEIRICHTHYS	1863 GILL
1 70 09 02 01	LINEATUS	1791 MENZIES
1 70 09 03 00	REMORA	1771 FORSTER
1 70 09 03 01	REMORA	1758 LINNAEUS
1 70 09 04 00	RHOMBOCHIRUS	1863 GILL
1 70 09 04 01	OSTEOCHIR	1829 CUVIER
1 70 10 00 00	RACHYCENTRIDAE	
1 70 10 01 00	RACHYCENTRON	1826 KAUP
1 70 10 01 01	CANADUM	1766 LINNAEUS
1 70 11 00 00	CARANGIDAE	

1 70 11 01 00	ALECTIS	1815 RAFINESQUE
1 70 11 01 00	*HYNNIS	1833 CUVIER & VALENCIENNES
1 70 11 01 01	CILIARIS	1787 BLOCH
1 70 11 01 02	CRINITUS	1826 MITCHILL
1 70 11 01 02	*CUBENSIS	1860 POEY
1 70 11 08 00	CARANX	1802 LACEPEDE
1 70 11 08 01	BARTHOLOMAEI	1833 CUVIER & VALENCIENNES
1 70 11 08 02	CABALLUS	1868 GUNTHER
1 70 11 08 03	CRYSOS	1815 MITCHILL
1 70 11 08 04	HIPPOS	1766 LINNAEUS
1 70 11 08 05	LATUS	1829 AGASSIZ
1 70 11 08 06	LUGUBRIS	1861 POEY
1 70 11 08 07	RUBER	1793 BLOCH
1 70 11 09 00	CHLOROSCOMBRUS	1858 GIRARD
1 70 11 09 02	CHRYSURUS	1766 LINNAEUS
1 70 11 09 03	ORQUETA	1862 JORDAN & GILBERT
1 70 11 11 00	CITULA	1817 CUVIER
1 70 11 11 01	DORSALIS	1863 GILL
1 70 11 12 00	DECAPTERUS	1850 BLEEKER
1 70 11 12 01	MACARELLUS	1833 CUVIER & VALENCIENNES
1 70 11 12 02	PUNCTATUS	1829 AGASSIZ
1 70 11 12 03	TABL	1968 BERRY
1 70 11 13 00	ELAGATIS	1840 BENNETT
1 70 11 13 01	BIPINNULATUS	1824 QUOY & GAIMARD
1 70 11 14 00	GNATHODON	1851 BLEEKER

1 70 11 14 01	SPECIOSUS	1775 FORSKAL
1 70 11 15 00	HEMICARANX	1862 BLEEKER
1 70 11 15 01	AMBLYRHYNCHUS	1833 CUVIER & VALENCIENNES
1 70 11 20 00	NAUCRATES	1810 RAFINESQUE
1 70 11 20 01	DUCTOR	1758 LINNAEUS
1 70 11 22 00	OLIGOPLITES	1864 GILL
1 70 11 22 01	SAURUS	1801 BLOCH & SCHNEIDER
1 70 11 28 00	SELAR	1851 BLEEKER
1 70 11 28 01	CRUMENOPHTHALMUS	1793 BLOCH
1 70 11 30 00	SELENE	1802 LACEPEDE
1 70 11 30 01	BREVOORTI	1863 GILL
1 70 11 30 02	OERSTEDII	1880 LUTKEN
1 70 11 30 03	VOMER	1758 LINNAEUS
1 70 11 31 00	SERIOLA	1817 CUVIER
1 70 11 31 01	DUMERILI	1810 RISSO
1 70 11 31 02	FALCATA	1833 CUVIER & VALENCIENNES
1 70 11 31 03	FASCIATA	1810 RAFINESQUE
1 70 11 31 04	LALANDI	1833 CUVIER & VALENCIENNES
1 70 11 31 05	RIVOLIANA	1833 CUVIER & VALENCIENNES
1 70 11 31 06	ZONATA	1815 MITCHILL
1 70 11 36 00	TRACHINOTUS	1802 LACEPEDE
1 70 11 36 01	CAROLINUS	1766 LINNAEUS
1 70 11 36 02	CAYENNENSIS	1831 CUVIER & VALENCIENNES
1 70 11 36 03	FALCATUS	1758 LINNAEUS
1 70 11 36 04	KENNEDYI	1875 STEINDACHNER

1 70 11 36 05	GLAUCUS	1787 BLOCH
1 70 11 38 00	TRACHURUS	1802 LACEPEDE
1 70 11 38 02	LATHAMI	1920 NICHOLS
1 70 11 38 03	TRACHURUS	1758 LINNAEUS
1 70 11 40 00	VOMER	1817 CUVIER
1 70 11 40 01	DECLIVIFRONS	1925 MEEK & HILDEBRAND
1 70 11 40 02	SETAPINNIS	1815 MITCHILL
1 70 11 42 00	URASPIS	1855 BLEEKER
1 70 11 42 02	SECUNDUS	1860 POEY
1 70 11 42 02	*HEIDI	1939 FOWLER
1 70 12 00 00	BRAMIDAE	
1 70 12 01 00	BRAMA	1801 BLOCH & SCHNEIDER
1 70 12 03 00	PTERYCOMBUS	1838 FRIES
1 70 12 03 01	BRAMA	1838 FRIES
1 70 12 03 02	GOODEI	1915 JORDAN
1 70 12 04 00	TARACTES	1843 LOWE
1 70 12 04 01	LONGIPINNIS	1843 LOWE
1 70 12 05 00	COLLYBUS	1904 SNYDER
1 70 12 05 01	DRACHME	1904 SNYDER
1 70 13 00 00	CORYPHAENIDAE	
1 70 13 02 00	CORYPHAENA	1758 LINNAEUS
1 70 13 02 01	EQUISELIS	1758 LINNAEUS
1 70 13 02 02	HIPPURUS	1758 LINNAEUS
1 70 14 00 00	EMMELICHTHYIDAE	
1 70 14 02 00	EMMELICHTHYOPS	1945 SCHULTZ

1 70 14 02 01	ATLANTICUS	1945 SCHULTZ
1 70 15 00 00	LUTJANIDAE	
1 70 15 03 00	APSILUS	1830 CUVIER
1 70 15 03 00	*TROPIDINIUS	1868 GILL
1 70 15 03 01	DENTATUS	1845 GUICHENOT
1 70 15 05 00	ETELIS	1828 CUVIER & VALENCIENNES
1 70 15 05 01	OCULATUS	1828 CUVIER & VALENCIENNES
1 70 15 11 00	LUTJANUS	1790 BLOCH
1 70 15 11 01	ANALIS	1828 CUVIER & VALENCIENNES
1 70 15 11 02	APODUS	1792 WALBAUM
1 70 15 11 03	ARGENTIVENTRIS	1869 PETERS
1 70 15 11 04	PURPUREUS	1875 POEY
1 70 15 11 04	*AYA	1875 POEY
1 70 15 11 06	BUCCANELLA	1828 CUVIER & VALENCIENNES
1 70 15 11 07	CAMPECHANUS	1861 POEY
1 70 15 11 07	*AYA	1875 POEY
1 70 15 11 07	*BLACKFORDI	1878 GOODE & BEAN
1 70 15 11 08	CYANOPTERUS	1828 CUVIER & VALENCIENNES
1 70 15 11 09	GRISEUS	1758 LINNAEUS
1 70 15 11 10	GUTTATUS	1869 STEINDACHNER
1 70 15 11 11	JOCU	1801 BLOCH & SCHNEIDER
1 70 15 11 13	SYNAGRIS	1758 LINNAEUS
1 70 15 11 14	VIVANUS	1828 CUVIER & VALENCIENNES
1 70 15 11 15	MAHOGONI	1828 CUVIER & VALENCIENNES
1 70 15 15 00	OCYURUS	1863 GILL

1 70 15 15 01	CHRYSURUS	1791 BLOCH
1 70 15 18 00	PRISTIPOMOIDES	1852 BLEEKER
1 70 15 18 01	MACROPTHALMUS	1848 MULLER & TROSCHEL
1 70 15 18 02	AQUILONARIS	1896 GOODE & BEAN
1 70 15 18 03	FREEMANI	1966 ANDERSON
1 70 15 20 00	RHOMBOPLITES	1863 GILL
1 70 15 20 01	AURORUBENS	1829 CUVIER & VALENCIENNES
1 70 15 23 00	VERILUS	1861 POEY
1 70 15 23 01	SORDIDUS	1861 POEY
1 70 15 24 00	SYMPHYSANODON	1878 BLEEKER
1 70 15 24 01	TYPUS	1878 BLEEKER
1 70 16 00 00	ACANTHURIDAE	
1 70 16 01 00	ACANTHURUS	1775 FORSKAL
1 70 16 01 01	BAHIANUS	1855 CASTELNAU
1 70 16 01 02	CAERULEUS	1801 BLOCH & SCHNEIDER
1 70 16 01 05	HEPATUS	1766 LINNAEUS
1 70 17 00 00	LOBOTIDAE	
1 70 17 02 00	LOBOTES	1830 CUVIER & VALENCIENNES
1 70 17 02 01	SURINAMENSIS	1790 BLOCH
1 70 18 00 00	GERRIDAE	
1 70 18 01 00	DIAPTERUS	1842 RANZANI
1 70 18 01 01	RHOMBEUS	1829 CUVIER
1 70 18 03 00	EUCINOSTOMUS	1857 BAIRD
1 70 18 03 00	*ULAEMA	1895 JORDAN & EVERMANN
1 70 18 03 01	ARGENTEUS	1854 BAIRD & GIRARD

1 70 18 03 02	CALIFORNIENSIS	1862 GILL
1 70 18 03 03	GULA	1830 CUVIER & VALENCIENNES
1 70 18 03 04	MELANOPTERUS	1863 BLEEKER
1 70 18 03 05	LEFROYI	1874 GOODE
1 70 18 06 00	GERRES	1824 QUOY & GAIMARD
1 70 18 06 01	CINEREUS	1895 JORDAN & EVERMANN
1 70 19 00 00	POMADASYIDAE	
1 70 19 01 00	ANISOTREMUS	1861 GILL
1 70 19 01 01	CAESIUS	1881 JORDAN & GILBERT
1 70 19 01 02	DOVII	1864 GUNTHER
1 70 19 01 03	INTERRUPTUS	1861 GILL
1 70 19 01 04	TAENIATUS	1861 GILL
1 70 19 01 05	VIRGINICUS	1758 LINNAEUS
1 70 19 01 06	SURINAMENSIS	1790 BLOCH
1 70 19 03 00	BRACHYDEUTERUS	1862 GILL
1 70 19 06 00	CONODON	1830 CUVIER & VALENCIENNES
1 70 19 06 01	NOBILIS	1758 LINNAEUS
1 70 19 09 00	GENYATREMUS	1863 GILL
1 70 19 09 01	LUTEUS	1795 BLOCH
1 70 19 10 00	HAEMULON	1829 CUVIER
1 70 19 10 02	ALBUM	1830 CUVIER & VALENCIENNES
1 70 19 10 03	AUROLINEATUM	1830 CUVIER & VALENCIENNES
1 70 19 10 04	BONARIENSE	1830 CUVIER & VALENCIENNES
1 70 19 10 05	FLAVOLINEATUM	1823 DESMAREST
1 70 19 10 06	LUTEUM	1861 POEY

1 70 19 10 07	MELAMURUM	1758 LINNAEUS
1 70 19 10 08	PLUMIERI	1802 LACEPEDE
1 70 19 10 09	RIMATOR	1884 JORDAN & SWAIN
1 70 19 10 10	SCIURUS	1803 SHAW
1 70 19 10 11	SCUDDERI	1862 GILL
1 70 19 10 12	STEINDACHNERI	1881 JORDAN & GILBERT
1 70 19 10 13	STRIATUM	1758 LINNAEUS
1 70 19 10 15	CHRYSARGYREUS	1859 GUNTHER
70 19 10 16	BOSCHMAE	1919 METZELAAR
70 19 10 17	MACROSTOMUM	1859 GUNTHER
70 19 10 18	CARBONARIUM	1860 POEY
70 19 14 00	LYTHRULON	1885 JORDAN & SWAIN
70 19 14 01	FLAVIGUTTATUM	1862 GILL
70 19 16 00	MICROLEPIDOTUS	1862 GILL
70 19 17 00	ORTHOPRISTIS	1858 GIRARD
70 19 17 01	CHALCEUS	1864 GUNTHER
70 19 17 02	CHRYSOPTERUS	1766 LINNAEUS
70 19 17 03	RUBER	1830 CUVIER & VALENCIENNES
70 19 18 00	POMADASYS	1802 LACEPEDE
70 19 18 01	LEUCISCUS	1864 GUNTHER
70 19 18 02	MACRACANTHUS	1864 GUNTHER
70 19 18 03	CROCRO	1830 CUVIER & VALENCIENNES
70 19 18 04	CORVINAEFORMIS	1868 STEINDACHNER
70 20 00 00	SCIAENIDAE	
70 20 05 00	BAIRDIELLA	1861 GILL

1 70 20 05 00	*ELATTARCHUS	1896 JORDAN & EVERMANN
1 70 20 05 01	ARMATA	1863 GILL
1 70 20 05 02	CHRYSURA	1802 LACEPEDE
1 70 20 05 03	BATABANA	1860 POEY
1 70 20 05 04	ARCHIDIUM	1881 JORDAN & GILBERT
1 70 20 09 00	CYNOSCION	1861 GILL
1 70 20 09 01	ARENARIUS	1929 GINSBURG
1 70 20 09 02	JAMAICENSIS	1874 VAILLANT BOCOURT
1 70 20 09 03	NEBULOSUS	1830 CUVIER & VALENCIENNE
1 70 20 09 04	NOTHUS	1855 HOLBROOK
1 70 20 09 07	REGALIS	1801 BLOCH & SCHNEIDER
1 70 20 09 08	RETICULATUS	1864 GUNTHER
1 70 20 09 09	LEIARCHUS	1830 CUVIER & VALENCIENNE
1 70 20 09 10	VIRESCENS	1830 CUVIER & VALENCIENNE
1 70 20 09 11	SIMILIS	1968 RANDALL & CERVIGON
1 70 20 11 00	EQUETUS	1815 RAFINESQUE
1 70 20 11 01	PULCHER	1867 STEINDACHNER
1 70 20 11 02	VIOLA	1895 GILBERT
1 70 20 11 03	ACUMINATUS	1801 BLOCH & SCHNEIDER
1 70 20 11 04	LANCEOLATUS	1758 LINNAEUS
1 70 20 11 05	UMBROSUS	1886 JORDAN & EIGENMANN
1 70 20 11 06	LINEATUS	1830 CUVIER & VALENCIENNE
1 70 20 14 00	ISOPISTHUS	1863 GILL
1 70 20 14 01	REMIFER	1881 JORDAN & GILBERT
1 70 20 14 02	PARVIPINNIS	1830 CUVIER & VALENCIENNE

1 70 20 16 00	LABIMUS	1830 CUVIER & VALENCIENNES
1 70 20 16 01	ARGENTEUS	1863 GILL
1 70 20 16 02	BREVICEPS	1830 CUVIER & VALENCIENNES
1 70 20 16 03	EFFULGENS	1898 GILBERT
1 70 20 16 04	FASCIATUS	1855 HOLBROOK
1 70 20 17 00	LEIOSTOMUS	1802 DELACEPEDE
1 70 20 17 01	XANTHURUS	1802 LACEPEDE
1 70 20 18 00	MENTICIRRHUS	1861 GILL
1 70 20 18 01	AMERICANUS	1758 LINNAEUS
1 70 20 18 02	FOCALIGER	1952 GINSBURG
1 70 20 18 03	LITTORALIS	1855 HOLBROOK
1 70 20 18 04	MARTINICENSIS	1830 CUVIER & VALENCIENNES
1 70 20 18 05	NASUS	1868 GUNTHER
1 70 20 18 06	SAXATILIS	1801 BLOCH & SCHNEIDER
1 70 20 19 00	MICROPOGON	1830 CUVIER & VALENCIENNES
1 70 20 19 01	FURNIERI	1823 DESMAREST
1 70 20 19 02	UNDULATUS	1766 LINNAEUS
1 70 20 20 00	NEBRIS	1830 CUVIER & VALENCIENNES
1 70 20 20 01	MICROPS	1830 CUVIER & VALENCIENNES
1 70 20 22 00	ODONTOSCION	1863 GILL
1 70 20 22 01	DENTEX	1830 CUVIER & VALENCIENNES
1 70 20 23 00	OPHIOSCION	1864 GILL
1 70 20 23 01	BRASILIENSIS	1945 SCHULTZ
1 70 20 23 02	SIMULUS	1898 GILBERT
1 70 20 23 03	COSTARICENSIS	1958 CALDWELL

1 70 20 23 04	NASO	1889 JORDAN
1 70 20 29 00	PARALONCHURUS	1869 BOCOURT
1 70 20 29 01	BRASILIENSIS	1875 STEINDACHNER
1 70 20 29 02	PETERSI	1869 BOCOURT
1 70 20 29 03	ELEGANS	1948 BOESEMAN
1 70 20 31 00	POGONIAS	1802 LACEPEDE
1 70 20 31 01	CROMIS	1766 LINNAEUS
1 70 20 32 00	POLYCLEMUS	1895 BERG
1 70 20 32 01	BRASILIENSIS	1875 STEINDACHNER
1 70 20 35 00	SCIAENA	1758 LINNAEUS
1 70 20 37 00	SCIAENOPS	1863 GILL
1 70 20 37 01	OCELLATA	1766 LINNAEUS
1 70 20 39 00	STELLIFER	1817 OKEN
1 70 20 39 01	ILLECEBROSUS	1898 GILBERT
1 70 20 39 02	LANCEOLATUS	1855 HOLBROOK
1 70 20 39 03	MICROPS	1864 STEINDACHNER
1 70 20 39 04	RASTRIFER	1898 JORDAN & EIGENMANN
1 70 20 39 05	STELLIFER	1790 BLOCH
1 70 20 40 00	UMBRINA	1817 CUVIER
1 70 20 40 01	COROIDES	1830 CUVIER & VALENCIENNES
1 70 20 40 03	XANTI	1862 GILL
1 70 20 41 00	CTENOSCIAENA	1923 FOWLER & BEAN
1 70 20 41 01	GRACILICIRRHUS	1919 METZELAAR
1 70 20 44 00	LONCHIURUS	1793 BLOCH
1 70 20 44 01	LANCEOLATUS	1788 BLOCH

1 70 20 45 00	MACRODON	1822 SCHINZ
1 70 20 45 01	ANCYLODON	1801 BLOCH & SCHNEIDER
1 70 20 46 00	PLAGIOSCION	1861 GILL
1 70 20 46 01	SQUAMOSISSIMUM	1840 HECKEL
1 70 20 46 02	AURATUS	1855 CASTELNAU
1 70 21 00 00	SPARIDAE	
1 70 21 06 00	CALAMUS	1839 SWAINSON
1 70 21 06 01	ARCTIFRONS	1882 GOODE & BEAN
1 70 21 06 02	BAJONADO	1801 BLOCH & SCHNEIDER
1 70 21 06 03	CALAMUS	1830 CUVIER & VALENCIENNES
1 70 21 06 04	LEUCOSTEUS	1885 JORDAN & GILBERT
1 70 21 06 05	PRORIDENS	1884 JORDAN & GILBERT
1 70 21 06 06	CERVIGONI	1966 RANDALL & CALDWELL
1 70 21 06 07	PENNATULA	1868 GUICHENOT
1 70 21 06 08	NODOSUS	1966 RANDALL & CALDWELL
1 70 21 14 00	DIPLODUS	1810 RAFINESQUE
1 70 21 14 01	HOLBROOKI	1878 BEAN
1 70 21 16 00	LAGODON	1855 HOLBROOK
1 70 21 16 01	RHOMBOIDES	1766 LINNAEUS
1 70 21 23 00	PAGRUS	1802 LACEPEDE
1 70 21 23 02	PAGRUS	1758 LINNAEUS
1 70 21 23 03	SEDECIM	1952 GINSBURG
1 70 21 34 00	STENOTOMUS	1865 GILL
1 70 21 34 03	CAPRINUS	1882 BEAN
1 70 21 34 04	CHRYSOPS	1766 LINNAEUS

1 70 21 36 00	ARCHOSARGUS	1865 GILL
1 70 21 36 01	PROBATOCEPHALUS	1792 WALBAUM
1 70 21 36 02	RHOMBOIDALIS	1758 LINNAEUS
1 70 22 00 00	MULLIDAE	
1 70 22 01 00	MULLOIDICHTHYS	1929 WHITLEY
1 70 22 01 01	MARTINICUS	1829 CUVIER
1 70 22 02 00	MULLUS	1758 LINNAEUS
1 70 22 02 03	AURATUS	1882 JORDAN & GILBERT
1 70 22 06 00	UPENEUS	1829 CUVIER & VALENCIENNES
1 70 22 06 02	GRANDISQUAMIS	1863 GILL
1 70 22 06 05	PARVUS	1853 POEYI
1 70 22 07 00	PSEUDUPENEUS	1862 BLEEKER
1 70 22 07 01	MACULATUS	1893 BLOCH
1 70 23 00 00	PEMPHERIDAE	
1 70 23 02 00	PEMPHERIS	1829 CUVIER
1 70 23 02 01	SCHOMBURGKII	1848 MULLER & TROSCHEL
1 70 24 00 00	KYPHOSIDAE	
1 70 24 03 00	KYPHOSUS	1802 LACEPEDE
1 70 24 03 01	INCISOR	1831 CUVIER & VALENCIENNES
1 70 24 03 02	SECTATRIX	1766 LINNAEUS
1 70 25 00 00	EPHIPPIDAE	
1 70 25 01 00	CHAETODIPTERUS	1802 LACEPEDE
1 70 25 01 01	FABER	1782 BROUSSONET
1 70 25 01 02	ZONATUS	1858 GIRARD
1 70 26 00 00	CHAETODONTIDAE	

1 70 26 03 00	CHAETODON	1758 LINNAEUS
1 70 26 03 01	AYA	1886 JORDAN
1 70 26 03 02	CAPISTRATUS	1758 LINNAEUS
1 70 26 03 03	CILIARIS	1758 LINNAEUS
1 70 26 03 04	GUYANENSIS	1960 DURAND
1 70 26 03 06	HUMERALIS	1860 GUNTHER
1 70 26 03 07	OCELLATUS	1787 BLOCH
1 70 26 03 09	SEDENTARIUS	1860 POEY
1 70 26 03 10	STRIATUS	1758 LINNAEUS
1 70 26 07 00	HOLACANTHUS	1802 LACEPEDE
1 70 26 07 00	*ANGELICHTHYS	1896 JORDAN
1 70 26 07 01	ISABELITA	1896 JORDAN & RUTTER
1 70 26 07 01	*BERMUDENSIS	1876 GOODE
1 70 26 07 03	CILIARIS	1758 LINNAEUS
1 70 26 07 05	TRICOLOR	1795 BLOCH
1 70 26 10 00	POMACANTHUS	1802 LACEPEDE
1 70 26 10 01	ARCUATUS	1758 LINNAEUS
1 70 26 10 03	PARU	1787 BLOCH
1 70 26 10 04	ZONIPECTUS	1862 GILL
1 70 26 12 00	CENTROPYGE	1860 KAUP
1 70 26 12 01	ARGI	1951 WOODS & KANAZAWA
1 70 26 14 00	PROGNATHODES	1862 GILL
1 70 26 14 01	ACULEATUS	1861 POEY
1 70 27 00 00	POMACENTRIDAE	
1 70 27 01 00	ABUDEFDUF	1775 FORSKAL

1 70 27 01 01	SAXATILIS	1758 LINNAEUS
1 70 27 01 02	TAURUS	1848 MULLER & TROSCHEL
1 70 27 01 02	*ANALOGUS	1863 GILL
1 70 27 02 00	MICROSPATHODON	1830 CUVIER & VALENCIENNES
1 70 27 02 01	CHRYSURUS	1830 CUVIER & VALENCIENNES
1 70 27 03 00	CHROMIS	1802 LACEPEDE
1 70 27 03 01	CYANEA	1860 POEY
1 70 27 03 02	ENCHRYSURUS	1882 JORDAN & GILBERT
1 70 27 03 04	INSOLATUS	1830 CUVIER & VALENCIENNES
1 70 27 03 05	MARGINATUS	1855 CASTELNAU
1 70 27 05 00	EUPOMACENTRUS	1877 BLEEKER
1 70 27 05 01	LEUCOSTICTUS	1848 MULLER & TROSCHEL
1 70 27 05 03	PICTUS	1855 CASTELNAU
1 70 27 05 04	VARIABILIS	1855 CASTELNAU
1 70 27 05 05	FUSCUS	1830 CUVIER & VALENCIENNES
1 70 27 05 06	PLANIFRONS	1830 CUVIER & VALENCIENNES
1 70 27 06 00	NEXILARIUS	1896 GILBERT
1 70 27 06 01	CONCOLOR	1862 GILL
1 70 28 00 00	LABRIDAE	
1 70 28 02 00	BODIANUS	1790 BLOCH
1 70 28 02 01	PULCHELLUS	1860 POEY
1 70 28 02 02	RUFUS	1758 LINNAEUS
1 70 28 12 00	HALICHOERES	1835 RUEPPELL
1 70 28 12 01	BATHYPHILUS	1932 BEEBE & TEE-VAN
1 70 28 12 02	BIVITTATUS	1791 BLOCH

1 70 28 12 03	CAUDALIS	1860 POEY
1 70 28 12 05	GARNOTI	1839 CUVIER & VALENCIENNES
1 70 28 12 06	PICTUS	1860 POEY
1 70 28 12 07	POEYI	1867 STEINDACHNER
1 70 28 12 08	RADIATUS	1758 LINNAEUS
1 70 28 12 09	MACULIPINNA	1848 MULLER & TROSCHEL
70 28 12 10	CYANOCEPHALUS	1791 BLOCH
1 70 28 12 10	*DIMIDIATUS	1829 AGASSIZ
70 28 18 00	LACHNOLAIMUS	1829 CUVIER
70 28 18 01	MAXIMUS	1792 WALBAUM
70 28 26 00	TAUTOGA	1814 MITCHILL
70 28 26 01	ONITIS	1758 LINNAEUS
70 28 28 00	THALASSOMA	1839 SWAINSON
70 28 28 01	BIFASCIATUM	1791 BLOCH
70 28 28 01	*NITIDUM	1862 GUNTHER
70 28 29 00	XYRICHTHYS	1824 QUOY & GAIMARD
70 28 29 01	PSITTACUS	1766 LINNAEUS
70 28 29 02	MARTINICENSIS	1839 CUVIER & VALENCIENNES
70 28 30 00	DECODON	1862 GUNTHER
70 28 30 01	PUELLARIS	1860 POEY
70 28 31 00	DORATONOTUS	1862 GUNTHER
70 28 31 01	MEGALEPIS	1862 GUNTHER
70 28 32 00	CLEPTICUS	1829 CUVIER
70 28 32 01	PARRAE	1801 BLOCH & SCHNEIDER
70 30 00 00	SCARIDAE	

1 70 30 06 00	CRYPTOTOMUS	1870 COPE
1 70 30 06 01	ROSEUS	1871 COPE
1 70 30 11 00	SCARUS	1763 GRONOVIUS
1 70 30 11 01	COELESTINUS	1839 CUVIER & VALENCIENNES
1 70 30 11 03	CROICENSIS	1790 BLOCH
1 70 30 11 03	*EVERMANNI	1886 JORDAN
1 70 30 12 00	SPARISOMA	1839 SWAINSON
1 70 30 12 01	AUROFRENATUM	1839 CUVIER & VALENCIENNES
1 70 30 12 02	CHRYSOPTERUM	1801 BLOCH & SCHNEIDER
1 70 30 12 03	RADIANS	1839 CUVIER & VALENCIENNES
1 70 30 12 04	RUBRIPINNE	1839 CUVIER & VALENCIENNES
1 70 30 12 05	ATOMARIUM	1861 POEY
1 70 30 15 00	NICHOLSINA	1915 FOWLER
1 70 30 15 01	USTUS	1839 CUVIER & VALENCIENNES
1 70 31 00 00	OPISTHOGNATHIDAE	
1 70 31 01 00	LONCHOPISTHUS	1863 GILL
1 70 31 01 01	HIGMANI	1959 MEAD
1 70 31 01 02	LINDNERI	1942 GINSBURG
1 70 31 01 03	MICROGNATHUS	1861 POEY
1 70 31 02 00	OPISTHOGNATHUS	1817 CUVIER
1 70 31 02 01	LONCHURUS	1882 JORDAN & GILBERT
1 70 31 02 02	MAXILLOSUS	1861 POEY
1 70 32 00 00	PERCOPHIDIDAE	
1 70 32 02 00	BEMBROPS	1876 STEINDACHNER
1 70 32 02 00	*HYPSCOMETES	1880 GOODE

1 70 32 02 01	ANATIROSTRIS	1955 GINSBURG
1 70 32 02 02	GOBIOIDES	1880 GOODE
1 70 32 02 03	MACROMMA	1955 GINSBURG
1 70 32 02 04	MAGNISQUAMUS	1955 GINSBURG
1 70 32 03 00	CHRIOMYSTAX	1955 GINSBURG
1 70 32 03 01	SQUAMENTUM	1955 GINSBURG
1 70 33 00 00	DACTYLOSCOPIDAE	
1 70 33 02 00	DACTYLOSCOPUS	1859 GILL
1 70 33 02 01	TRIDIGITATUS	1859 GILL
1 70 33 03 00	GILLELLUS	1890 GILBERT
1 70 34 00 00	URANOSCOPIDAE	
1 70 34 01 00	ASTROSCOPUS	1860 BREVOORT
1 70 34 01 01	GUTTATUS	1860 ABBOTT
1 70 34 01 02	Y-GRAECUM	1829 CUVIER
1 70 34 05 00	KATHETOSTOMA	1860 GUNTHER
1 70 34 05 01	ALBIGUTTA	1892 BEAN
1 70 34 05 02	CUBANA	1941 BARBOUR
1 70 34 09 00	GNATHAGNUS	1861 GILL
1 70 34 09 01	EGREGIUS	1905 JORDAN & THOMPSON
1 70 35 00 00	CHIASMODONTIDAE	
1 70 35 01 00	CHIASMODON	1863 JOHNSON
1 70 35 01 01	NIGER	1863 JOHNSON
1 70 35 02 00	KALI	1909 LLOYD
1 70 35 02 01	MACRURUS	1933 PARR
1 70 35 03 00	PSEUDOSCOPELUS	1892 LUTKEN

1 70 35 03 01	ALTIPINNIS	1933 PARR
1 70 35 03 02	SCRIPTUS	1892 LUTKEN
1 70 36 00 00	BLENNIIDAE	
1 70 36 02 00	ENTOMACRODUS	1859 GILL
1 70 36 02 01	NIGRICANS	1859 GILL
1 70 36 03 00	BLENNIUS	1758 LINNAEUS
1 70 36 03 01	MARMOREUS	1876 POEY
1 70 36 07 00	HYPLEUROCHILUS	1861 GILL
1 70 36 07 01	GEMINATUS	1824 WOOD
1 70 36 09 00	SALARICHTHYS	1867 GUICHENOT
1 70 36 09 01	TEXTILIS	1836 QUOY & GAIMARD
1 70 36 20 00	OPHIOBLENNIUS	1860 GILL
1 70 36 20 01	ATLANTICUS	1836 VALENCIENNES
1 70 37 00 00	CLINIDAE	
1 70 37 01 00	MALACOCTENUS	1860 GILL
1 70 37 01 01	AUROLINEATUS	1957 SMITH
1 70 37 01 02	GILLI	1867 STEINDACHNER
1 70 37 01 03	MACROPUS	1868 POEY
1 70 37 01 04	TRIANGULATUS	1958 SPRINGER
1 70 37 02 00	LABRISOMUS	1839 SWAINSON
1 70 37 02 01	BUCCIFERUS	1869 POEY
1 70 37 02 02	FILAMENTOSUS	1959 SPRINGER
1 70 37 02 03	GOBIO	1836 CUVIER & VALENCIENNES
1 70 37 02 04	GUPPYI	1922 NORMAN
1 70 37 02 05	NIGRICINCTUS	1936 HOWELL-RIVERO

1 70 37 02 06	NUCHIPINNIS	1824 QUOY & GAIMARD
1 70 37 02 07	HAITIENSIS	1928 BEEBE & TEE VAN
1 70 37 04 00	EMBLEMARIA	1883 JORDAN & GILBERT
1 70 37 04 01	ATLANTICA	1896 JORDAN & EVERMANN
1 70 37 04 02	PANDIONIS	1902 EVERMANN & MARSH
1 70 37 08 00	PARACLINUS	1888 MOCQUARD
1 70 37 08 01	GRANDICOMIS	1911 ROSEN
1 70 37 09 00	STARKSIA	1896 JORDAN & EVERMANN
1 70 37 09 01	HASSI	1958 KLAUSEWITZ
1 70 38 00 00	ZOARCIDAE	
1 70 38 08 00	LYCODES	1900 EASTMAN
1 70 38 08 01	BRUNNEUS	1944 FOWLER
1 70 38 09 00	LYCENCHELYS	1955 ANDRIASHE
1 70 38 09 01	BULLISI	1964 COHEN
1 70 38 09 02	VERRILLII	1877 GOODE & BEAN
1 70 39 00 00	BROTULIDAE	
1 70 39 01 00	BARATHRONUS	1886 GOODE
1 70 39 01 01	BICOLOR	1886 GOODE & BEAN
1 70 39 02 00	APHYONUS	1878 GUNTHER
1 70 39 02 01	GELATINOSUS	1878 GUNTHER
1 70 39 03 00	BROTULA	1829 CUVIER
1 70 39 03 01	BARBATUM	1801 BLOCH & SCHNEIDER
1 70 39 04 00	CATAETYX	1887 GUNTHER
1 70 39 04 01	LATICEPS	1932 KOEFOED
1 70 39 05 00	LAMPROGRAMMUS	1891 ALCOCK

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(*SYNONYM)

1 70 39 05 01	NIGER	1891 ALCOCK
1 70 39 07 00	DICROLENE	1882 GOODE & BEAN
1 70 39 07 01	INTRONIGRA	1882 GOODE & BEAN
1 70 39 07 02	KANAZAWAI	1958 GREY
1 70 39 08 00	DIPLACANTHOPOMA	1887 GUNTHER
1 70 39 08 01	BRACHYSOMA	1887 GUNTHER
1 70 39 09 00	MONOMITOPUS	1890 ALCOCK
1 70 39 09 00	*DICROMITA	1895 GOODE & BEAN
1 70 39 09 01	AGASSIZII	1896 GOODE & BEAN
1 70 39 10 00	NEOBYTHITES	1885 GOODE & BEAN
1 70 39 10 01	GILLII	1885 GOODE & BEAN
1 70 39 10 02	MARGINATUS	1886 GOODE & BEAN
1 70 39 11 00	POPOGADUS	1885 GOODE & BEAN
1 70 39 11 01	MILESI	1885 GOODE & BEAN
1 70 39 11 02	SUBARMATUS	1888 VAILLANT
1 70 39 12 00	PENOPUS	1885 GOODE & BEAN
1 70 39 12 01	MICROPTHALMUS	1888 VAILLANT
1 70 39 13 00	NEMATONUS	1887 GUNTHER
1 70 39 14 00	BASSOZETUS	1883 GILL
1 70 39 14 01	NORMALIS	1883 GILL
1 70 39 15 00	BARATHRODEMUS	1882 GOODE & BEAN
1 70 39 16 00	BENTHOCOMETES	1895 GOODE & BEAN
1 70 39 19 00	LUCIOBROTULA	1913 SMITH & RADCLIFFE
1 70 39 19 01	CORETHROMYCTER	1964 COHEN
1 70 39 20 00	XYLELACYBA	1961 COHEN

1 70 39 20 01	MYERSI	1961	COHEN
1 70 39 21 00	ACANTHONUS	1878	GUNTHER
1 70 39 21 01	ARNATUS	1878	GUNTHER
1 70 40 00 00	OPHIDIIDAE		
1 70 40 02 00	LEPOPHIDIUM	1895	GILL
1 70 40 02 01	APORRHOX	1961	ROBINS
1 70 40 02 02	BREVIBARBE	1829	CUVIER
1 70 40 02 03	CERVINUM	1885	GOODE & BEAN
1 70 40 02 04	GRAELLSI	1861	POEY
1 70 40 02 05	JEANNAE	1941	FOWLER
1 70 40 02 06	KALLION	1959	ROBINS
1 70 40 02 07	MARMORATUM	1885	GOODE & BEAN
1 70 40 02 09	PHEROMYSTAX	1960	ROBINS
1 70 40 02 10	PROFUNDORUM	1863	GILL
1 70 40 02 11	STAUROPHOR	1958	ROBINS
1 70 40 03 00	OPHIDION	1758	LINNAEUS
1 70 40 03 01	BEANI	1883	JORDAN & GILBERT
1 70 40 03 02	GRAYI	1948	FOWLER
1 70 40 03 03	HOLBROOKI	1874	PUTNAM
1 70 40 03 04	SELENOPS	1959	ROBINS & BOHLKE
1 70 40 04 00	OTOPHIDIUM	1885	GILL
1 70 40 04 02	OMOSTIGMUM	1882	JORDON & GILBERT
1 70 40 04 03	WELSHI	1922	NICHOLS & BREDER
1 70 40 05 00	RISSOLA	1896	JORDAN & EVERMANN
1 70 40 05 01	MARGINATA	1842	DEKAY

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(*SYNONYM)

1 70 41 00 00	CARAPIDAE		
1 70 41 01 00	CARAPUS	1810	RAFINESQUE
1 70 41 01 01	BERMUDENSIS	1874	JONES
1 70 42 00 00	CALLIONYMIDAE		
1 70 42 00 00	*DRACONETTIDAE		
1 70 42 01 00	CALLIONYMUS	1758	LINNAEUS
1 70 42 01 01	AGASSIZI	1888	GOODE & BEAN
1 70 42 01 01	*HIMANTOPHORUS	1895	GOODE & BEAN
1 70 42 01 03	BAIRDI	1887	JORDAN
1 70 42 01 04	PAUCIRADIATUS	1867	GILL
1 70 42 02 00	DRACONETTA	1903	JORDAN & FOWLER
1 70 42 02 01	ACANTHOPOMA	1904	REGAN
1 70 42 02 02	OREGONA	1959	BRIGGS & BERRY
1 70 44 00 00	SCOMBRIDAE		
1 70 44 01 00	AUXIS	1829	CUVIER
1 70 44 01 01	THAZARD	1802	LACEPEDE
1 70 44 02 00	EUTHYNNUS	1882	JORDAN & GILBERT
1 70 44 02 01	ALLETTERATUS	1810	RAFINESQUE
1 70 44 03 00	KATSUWONUS	1923	KISHINOUYE
1 70 44 03 01	PELAMIS	1758	LINNAEUS
1 70 44 04 00	THUNNUS	1845	SOUTH
1 70 44 04 01	ALALUNGA	1788	GMELIN
1 70 44 04 02	ALBACARES	1788	BONNATERRE
1 70 44 04 03	ATLANTICUS	1830	LESSON
1 70 44 04 04	OBESUS	1839	LOWE

70 44 04 05	THYNNUS	1758 LINNAEUS
70 44 06 00	SCOMBER	1758 LINNAEUS
70 44 06 03	JAPONICUS	1782 HOUTTUYN
70 44 06 03	*GREX	1788 GMELIN
70 44 06 03	*COLIAS	1815 MITCHILL
70 44 06 04	SCOMBRUS	1758 LINNAEUS
70 44 07 00	SARDA	1802 LACEPEDE
70 44 07 01	SARDA	1793 BLOCH
70 44 08 00	SCOMBEROMORUS	1802 LACEPEDE
70 44 08 01	CAVALLA	1829 CUVIER
70 44 08 02	CONCOLOR	1879 LOCKINGTON
70 44 08 03	MACULATUS	1815 MITCHILL
70 44 08 04	REGALIS	1793 BLOCH
70 44 09 00	ACANTHOCYBIUM	1862 GILL
70 44 09 01	SOLANDERI	1831 CUVIER & VALENCIENNES
70 45 00 00	GEMPYLIDAE	
70 45 01 00	EPINNULA	1854 POEY
70 45 01 01	AMERICANA	1953 GREY
70 45 01 02	MAGISTRALIS	1854 POEY
70 45 01 03	ORIENTALIS	1953 GREY
70 45 03 00	LEPIDOCYBIUM	1863 GILL
70 45 03 01	FLAVOBRUNNEUM	1849 SMITH
70 45 04 00	NEALOTUS	1865 JOHNSON
70 45 04 01	TRIPES	1865 JOHNSON
70 45 06 00	RUVETTUS	1833 COCCO

1 70 45 06 01	PRETIOSUS	1829 COCCO
1 70 45 09 00	PROMETHICHTHYS	1893 GILL
1 70 45 09 01	PROMETHEUS	1831 CUVIER & VALENCIENNES
1 70 45 10 00	GEMPYLUS	1829 CUVIER
1 70 45 10 01	SERPENS	1831 CUVIER & VALENCIENNES
1 70 45 11 00	SCOMBROLABRAX	1922 ROULE
1 70 45 11 01	HETEROLEPIS	1922 ROULE
1 70 45 12 00	NESIARCHUS	1862 JOHNSON
1 70 45 12 01	NASUTUS	1862 JOHNSON
1 70 45 13 00	THYRSITES	1829 CUVIER
1 70 46 00 00	TRICHIURIDAE	
1 70 46 01 00	APHANOPUS	1839 LOWE
1 70 46 02 00	LEPIDOPUS	1770 GOUAN
1 70 46 02 01	CAUDATUS	1812 WERNER
1 70 46 04 00	TRICHIURUS	1758 LINNAEUS
1 70 46 04 02	LEPTURUS	1758 LINNAEUS
1 70 46 05 00	BENTHODESMUS	1882 GOODE & BEAN
1 70 46 05 01	ATLANTICUS	1895 GOODE & BEAN
1 70 46 05 02	SIMONYI	1891 STEINDACHNER
1 70 46 05 03	TENUIS	1877 GUNTHER
1 70 46 06 00	EVOXYMETOPON	1863 POEY
1 70 46 06 01	TAENIATUS	1863 POEY
1 70 46 07 00	DIPLOSPINUS	1948 MAUL
1 70 46 07 01	MULTISTRIATUS	1948 MAUL
1 70 47 00 00	ISTIOPHORIDAE	

70 47 01 00	ISTIOPHORUS	1802 LACEPEDE
70 47 01 01	PLATYPTERUS	1791 SHAW & NODDER
70 47 01 01	*ALBICANS	1824 LATREILLE
70 47 02 00	MAKAIRA	1803 LACEPEDE
70 47 02 01	NIGRICANS	1803 LACEPEDE
70 47 03 00	TETRAPTURUS	1810 RAFINESQUE
70 47 03 01	ALBIDUS	1858 POEY
70 47 03 02	BELONE	1810 RAFINESQUE
70 47 03 03	PFLUEGERI	1963 ROBINS & DESYLVA
70 48 00 00	XIPHIIDAE	
70 48 01 00	XIPHIAS	1758 LINNAEUS
70 48 01 01	GLADIUS	1758 LINNAEUS
70 49 00 00	LUVARIDAE	
70 49 01 00	LUVARUS	1810 RAFINESQUE
70 49 01 01	IMPERIALIS	1810 RAFINESQUE
70 50 00 00	TETRAGONURIDAE	
70 50 01 00	TETRAGONURUS	1810 RISSO
70 50 01 01	ATLANTICUS	1839 LOWE
70 51 00 00	STROMATEIDAE	
70 51 06 00	HYPEROGLYPHE	1859 GUNTHER
70 51 06 00	*PALINURICHTHYS	1859 BLEEKER
70 51 06 01	BYTHITES	1954 GINSBURG
70 51 06 02	PERCIFORMA	1818 MITCHILL
70 51 11 00	PEPRILUS	1829 CUVIER
70 51 11 00	*PORONOTUS	1861 GILL

1 70 51 11 01	PARU	1758 LINNAEUS
1 70 51 11 02	MEDIUS	1889 BOLLMAN
1 70 51 11 03	BURTI	1944 FOWLER
1 70 51 11 04	TRIACANTHUS	1800 PECK
1 70 52 00 00	NOMEIDAE	
1 70 52 01 00	CUBICEPS	1843 LOWE
1 70 52 01 01	ATHENAE	1965 HAEDRICH
1 70 52 02 00	PSENES	1833 CUVIER & VALENCIENNES
1 70 52 02 02	CYANOPHRYS	1833 CUVIER & VALENCIENNES
1 70 52 02 03	MACULATUS	1880 LUTKEN
1 70 52 02 04	PELLUCIDUS	1880 LUTKEN
1 70 52 02 05	REGULUS	1868 POEY
1 70 52 03 00	NOMEUS	1817 CUVIER
1 70 52 03 01	GRONOVII	1788 GMELIN
1 70 53 00 00	ARIOMMIDAE	
1 70 53 01 00	ARIOMMA	1904 JORDAN & SNYDER
1 70 53 01 01	BONDI	1930 FOWLER
1 70 53 01 02	MELANAS	1954 GINSBURG
1 70 53 01 03	NIGRIARGENTEAS	1954 GINSBURG
1 70 54 00 00	ELEOTRIDAE	
1 70 54 12 00	EROTELIS	1860 POEY
1 70 54 12 01	SMARAGDUS	1837 CUVIER & VALENCIENNES
1 70 54 13 00	CHRIOLEPIS	1891 GILBERT
1 70 55 00 00	GOBIIDAE	
1 70 55 01 00	BARBULIFER	1888 EIGENMANN & EIGENMANN

70 55 02 00	GORIOSOMA	1858	GIRARD
70 55 02 01	GINSBURGI	1928	HILDEBRAND
70 55 05 00	BATHYGOBIUS	1878	BLEEKER
70 55 06 00	EVORTHODUS	1859	GILL
70 55 06 01	BREVICEPS	1859	GILL
70 55 06 02	LYRICUS	1858	GIRARD
70 55 07 00	VARICUS	1961	ROBINS & BOHLKE
70 55 07 01	BUCCA	1961	ROBINS & BOHLKE
70 55 23 00	GOBIONELLUS	1858	GIRARD
70 55 23 01	OCEANICUS	1770	PALLAS
70 55 23 02	STIGMALOPHIUS	1958	MEAD & BOHLKE
70 55 23 03	HASTATUS	1858	GIRARD
70 55 24 00	GOBIUS	1758	LINNAEUS
70 55 30 00	MICROGOBIUS	1876	POEY
70 55 30 01	GULOSUS	1858	GIRARD
70 55 30 02	CARRI	1945	FOWLER
70 55 43 00	BOLLMANNIA	1889	JORDAN
70 55 43 01	COMMUNIS	1942	GINSBURG
70 55 44 00	GNATHOLEPIS	1874	BLEEKER
70 55 44 01	THOMPSONI	1902	JORDAN
70 55 45 00	EVERMANNIA	1896	JORDAN & EVERMANN
70 55 46 00	EVERMANNICHTHYS	1922	METZELAAR
70 55 46 01	METZELAARI	1926	HUBBS
70 55 46 02	SPONGICOLA	1917	RADCLIFF
70 56 00 00	SCORPAENIDAE		

1 70 56 01 00	PHENACOSCORPIUS	1938 FOWLER
1 70 56 01 01	NEBRIS	1965 ESCHMEYER
1 70 56 04 00	HELICOLENUS	1896 GOODE & BEAN
1 70 56 04 01	DACTYLOPTERUS	1809 DE LAROCHE
1 70 56 04 02	MADERENSIS	1896 GOODE & BEAN
1 70 56 05 00	PONTINUS	1860 POEY
1 70 56 05 01	CASTOR	1861 POEY
1 70 56 05 02	LONGISPINIS	1896 GOODE & BEAN
1 70 56 05 03	MACROLEPIS	1896 GOODE & BEAN
1 70 56 05 04	RATHBUNI	1896 GOODE & BEAN
1 70 56 05 05	HELENA	1965 ESCHMEYER
1 70 56 06 00	IDIASTION	1965 ESCHMEYER
1 70 56 06 01	KYPHOS	1965 ESCHMEYER
1 70 56 07 00	SCORPAENA	1758 LINNAEUS
1 70 56 07 01	AGASSIZII	1896 GOODE & BEAN
1 70 56 07 02	ALBIFIMBRIA	1900 EVERMANN & MARSH
1 70 56 07 03	BRASILIENSIS	1829 CUVIER & VALENCIENNES
1 70 56 07 04	CALCARATA	1882 GOODE & BEAN
1 70 56 07 05	DISPAR	1940 LONGLEY & HILDEBRAND
1 70 56 07 06	BRACHYPTERA	1965 ESCHMEYER
1 70 56 07 07	GRANDICORNIS	1829 CUVIER & VALENCIENNES
1 70 56 07 08	ELACHYS	1965 ESCHMEYER
1 70 56 07 09	INERMIS	1829 CUVIER & VALENCIENNES
1 70 56 07 10	ISTHMENSIS	1928 MEEK & HILDEBRAND
1 70 56 07 11	MELASMA	1965 ESCHMEYER

70 56 07 12	PLUMIERI	1789 BLOCH
70 56 07 13	TRIDECIMSPINOSA	1919 METZELAAR
70 56 07 14	BERGI	1900 EVERMANN & MARSH
70 56 07 15	PETRICOLA	1965 ESCHMEYER
70 56 14 00	NEOMERINTHE	1935 FOWLER
70 56 14 01	BEANORUM	1899 EVERMANN & MARSH
70 56 14 02	POLLUX	1860 POEY
70 56 16 00	SETARCHES	1862 JOHNSON
70 56 16 01	GUENTHERI	1862 JOHNSON
70 56 16 01	*PARMATUS	1880 GOODE
70 56 17 00	TRACHYSCORPIA	1953 GINSBURG
70 56 17 01	CRISTULATA	1895 GOODE & BEAN
70 56 18 00	ECTREPOSERASTES	1899 GARMAN
70 56 18 01	IMUS	1899 GARMAN
70 57 00 00	TRIGLIDAE	
70 57 04 00	PERISTEDION	1802 LACEPEDE
70 57 04 01	EQUADORENSIS	1961 TEAGUE
70 57 04 02	GRACILE	1896 GOODE & BEAN
70 57 04 03	IMBERBE	1861 POEY
70 57 04 04	LONGISPATHUM	1886 GOODE & BEAN
70 57 04 05	MINIATUM	1880 GOODE
70 57 04 06	PLATYCEPHALUM	1886 GOODE & BEAN
70 57 04 07	SCHMITTI	1961 TEAGUE
70 57 04 08	SPINIGER	1940 LONGLEY & HILDEBRAND
70 57 04 10	TRUNCATUM	1880 GUNTHER

1 70 57 04 11		ANTILLARUM	1961 TEAGUE
1 70 57 04 12		GREYAE	1967 MILLER
1 70 57 05 00	PRIONOTUS		1802 LACEPEDE
1 70 57 05 01		ALATUS	1883 GOODE & BEAN
1 70 57 05 02		BEANII	1896 GOODE
1 70 57 05 03		CAROLINUS	1765 LINNAEUS
1 70 57 05 04		CRASSICEPS	1950 GINSBURG
1 70 57 05 05		EVOLANS	1766 LINNAEUS
1 70 57 05 07		LATIFRONS	1950 GINSBURG
1 70 57 05 09		MARTIS	1950 GINSBURG
1 70 57 05 10		MICROLEPIS	1940 LONGLEY & HILDEBRAND
1 70 57 05 12		OPHRYAS	1884 JORDAN & SWAIN
1 70 57 05 13		PARALATUS	1950 GINSBURG
1 70 57 05 14		PECTOPALIS	1924 NICHOLS & BREDER
1 70 57 05 17		PUNCTATUS	1793 BLOCH
1 70 57 05 18		ROSEUS	1886 JORDAN & EVERMANN
1 70 57 05 19		RUBIO	1886 JORDAN
1 70 57 05 20		RUSCARIUS	1904 GILBERT & STARKS
1 70 57 05 21		SCITULUS	1882 JORDAN & GILBERT
1 70 57 05 23		STEARNSI	1884 JORDAN & SWAINSON
1 70 57 05 25		TRIBULUS	1829 CUVIER
1 70 57 05 26		ASPERSUS	1928 MEEK & HILDEBRAND
1 70 57 05 27		GRISESCENS	1951 TEAGUE
1 70 57 08 00	BELLATOR		1896 JORDAN & EVERMANN
1 70 57 08 01		BRACHYCHIR	1914 REGAN

70 57 08 02	EGRETTA	1896 GOODE & BEAN
70 57 08 03	MILITARIS	1896 GOODE & BEAN
70 57 08 05	RIBEIROI	1965 MILLER
70 58 00 00	CYCLOPTERIDAE	
70 58 03 00	PARALIPARIS	1878 COLLETT
70 58 03 01	COPEI	1896 GOODE & BEAN
70 58 03 02	CALIDUS	1968 COHEN
70 59 00 00	CIRRHITIDAE	
70 59 01 00	AMBLYCIRRHITUS	1862 GILL
70 59 01 01	PINOS	1927 MOWBRAY
79 00 00 00	DACTYLOPTERIFORMES	
79 01 00 00	DACTYLOPTERIDAE	
79 01 03 00	DACTYLOPTERUS	1802 LACEPEDE
79 01 03 00	*CEPHALACANTHUS	1802 LACEPEDE
79 01 03 01	VOLITANS	1758 LINNAEUS
83 00 00 00	PLEURONECTIFORMES	
83 01 00 00	BOTHIDAE	
83 01 02 00	CHASCANOPSETTA	1894 ALCOCK
83 01 02 01	LUGUBRIS	1894 ALCOCK
83 01 02 02	PRORIGERA	1905 GILBERT
83 01 03 00	CITHARICHTHYS	1962 BLEEKER
83 01 03 01	ARCTIFRONS	1880 GOODE
83 01 03 02	AMBLYBREGNATUS	1970 GUTHERZ & BLACKMAN
83 01 03 03	CORNUTUS	1887 GUNTHER
83 01 03 04	MACROPS	1884 DRESEL

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(*SYNONYM)

1 83 01 03 05		SPILOPTERUS	1862 GUNTHER
1 83 01 03 06		GYMNORHINUS	1970 GUTHERZ & BLACKMAN
1 83 01 03 07		DINOCEROS	1886 GOODE & BEAN
1 83 01 04 00	CYCLOPSETTA		1889 GILL
1 83 01 04 01		CHITTENDENI	1895 BEAN
1 83 01 04 03		FIMBRIATA	1885 GOODE & BEAN
1 83 01 06 00	ETROPUS		1882 JORDAN & GILBERT
1 83 01 06 02		CROSSOTUS	1881 JORDAN & GILBERT
1 83 01 06 03		INTERMEDIUS	1933 NORMAN
1 83 01 06 05		MICROSTOMUS	1864 GILL
1 83 01 06 06		RIMOSUS	1885 GOODE & BEAN
1 83 01 10 00	SYACIUM		1840 RANZANI
1 83 01 10 01		GUNTERI	1933 GINSBERG
1 83 01 10 02		MICRURUM	1840 RANZANI
1 83 01 10 03		PAPILLOSUM	1758 LINNAEUS
1 83 01 14 00	ENGYOPHRYS		1889 JORDAN & BOLLMAN
1 83 01 14 01		SENTUS	1933 GINSBURG
1 83 01 15 00	GASTROPSETTA		1895 BEAN
1 83 01 15 01		FRONTALIS	1895 BEAN
1 83 01 16 00	MONDLENE		1880 GOODE
1 83 01 16 01		ANTILLARUM	1933 NORMAN
1 83 01 16 02		ATRIMANA	1886 GOODE & BEAN
1 83 01 16 03		MEGALEPIS	1961 WOODS
1 83 01 16 04		SESSILICAUDA	1880 GOODE
1 83 01 18 00	TRICHOPSETTA		1888 GILL

83 01 18 01		VENTRALIS	1885 GOODE & BEAN
83 01 18 02		MELASMA	1967 ANDERSON & GUTHERZ
83 01 18 03		CARIBBAEA	1967 ANDERSON & GUTHERZ
83 01 18 04		ORBISULCUS	1967 ANDERSON & GUTHERZ
83 01 21 00	ANCYLOPSETTA		1864 GILL
83 01 21 01		CYCLOIDEA	1959 TYLER
83 01 21 02		DILECTA	1883 GOODE & BEAN
83 01 21 03		ANTILLARUM	1966 GUTHERZ
83 01 21 04		KUMPERAE	1959 TYLER
83 01 21 05		QUADROCELLATA	1864 GILL
83 01 21 06		MICROCTENUS	1966 GUTHERZ
83 01 22 00	BOTHUS		1810 RAFINESQUE
83 01 22 02		LUNATUS	1758 LINNAEUS
83 01 22 03		OCELLATUS	1829 AGASSIZ
83 01 22 05		MACULIFERUS	1860 POEY
83 01 23 00	HIPPOGLOSSINA		1876 STEINDACHNER
83 01 23 01		OBLONGA	1815 MITCHILL
83 01 24 00	PAPALICHTHYS		1858 GIRARD
83 01 24 01		ALBIGUTTA	1882 JORDAN & GILBERT
83 01 24 02		BRASILIENSIS	1840 RANZANI
83 01 24 03		DENTATUS	1766 LINNAEUS
83 01 24 04		LETHOSTIGMA	1884 JORDAN & GILBERT
83 01 24 07		SQUAMILENTUS	1882 JORDAN & GILBERT
83 01 24 09		TRIOCELLATA	1904 MIRANDA-RIBEIRO
83 01 24 10		TROPICUS	1933 GINSBURG

1 83 02 00 00	PLEURONECTIDAE	
1 83 02 13 00	GLYPTOCEPHALUS	1835 GOTTSCHE
1 83 02 13 01	CYNOGLOSSUS	1758 LINNAEUS
1 83 02 30 00	PLEURONECTES	1758 LINNAEUS
1 83 02 31 00	PLEURONICHTHYS	1856 GIRARD
1 83 02 32 00	POECILOPSETTA	1880 GUNTHER
1 83 02 32 01	ALBOMARGINATA	1934 REID
1 83 02 32 02	BEANI	1880 GOODE
1 83 02 32 03	INERMIS	1927 BREDER
1 83 03 00 00	SCOPHTHALMIDAE	
1 83 03 01 00	SCOPHTHALMUS	1810 RAFINESQUE
1 83 03 01 01	AQUOSUS	1815 MITCHILL
1 83 04 00 00	SOLEIDAE	
1 83 04 01 00	ACHIRUS	1831 RAFINESQUE
1 83 04 01 02	INSCRIPTUS	1851 GROSSE
1 83 04 01 03	MACULATUS	1801 BLOCH & SCHNEIDER
1 83 04 01 04	PAULISTANUS	1915 MIRANDA-RIBEERO
1 83 04 01 05	LINEATUS	1758 LINNAEUS
1 83 04 02 00	TRINECTES	1801 BLOCH & SCHNEIDER
1 83 04 02 01	MACULATUS	1801 BLOCH & SCHNEIDER
1 83 04 08 00	GYMNACHIRUS	1858 KAUP
1 83 04 08 02	MELAS	1916 NICHOLS
1 83 04 08 03	NUDUS	1858 KAUP
1 83 04 08 04	TEXAE	1936 GUNTER
1 83 05 00 00	CYNOGLOSSIDAE	

83 05 07 00	SYMPHURUS	1810 RAFINESQUE
83 05 07 01	CIVITATUM	1951 GINSBURG
83 05 07 02	DIOMEDIANUS	1885 GOODE & BEAN
83 05 07 04	MARGINATUS	1886 GOODE & BEAN
83 05 07 06	MINOR	1951 GINSBURG
83 05 07 07	PLAGIUSA	1766 LINNAEUS
83 05 07 08	PTEROSPILOTUS	1951 GINSBURG
83 05 07 09	UROSPILUS	1951 GINSBURG
83 05 07 10	PIGER	1888 GOODE & BEAN
83 05 07 11	PUSILLUS	1885 GOODE & BEAN
89 00 00 00	TETRAODONTIFORMES	
89 01 00 00	TRIACANTHIDAE	
89 01 01 00	TRIACANTHUS	1817 OKEN
89 02 00 00	TRIACANTHODIDAE	
89 02 01 00	HOLLARDIA	1861 POEY
89 02 01 01	HOLLARDI	1861 POEY
89 02 01 02	MEADI	1966 TYLER
89 02 02 00	JOHNSONINA	1934 MYERS
89 02 02 01	ERIOMMA	1934 MYERS
89 02 03 00	PARAHOLLARDIA	1941 FRASER-BRUNNER
89 02 03 01	LINEATA	1935 LONGLEY
89 02 03 02	SCHMIDTI	1959 WOODS
89 02 04 00	TRIACANTHODES	1858 BLEEKER
89 03 00 00	BALISTIDAE	
89 03 01 00	XANTHICHTHYS	1856 KAUP

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(*SYNONYM)

1 89 03 01 01	RINGENS	1758 LINNAEUS
1 89 03 03 00	MELICHTHYS	1839 SWAINSON
1 89 03 03 01	NIGER	1786 BLOCH
1 89 03 03 01	*RADULA	1848 SOLANDER
1 89 03 04 00	CANTHIDERMIS	1839 SWAINSON
1 89 03 04 01	MACULATUS	1786 BLOCH
1 89 03 04 02	SUFFLAMEN	1815 MITCHILL
1 89 03 04 02	*SOBACO	1860 POEY
1 89 03 05 00	BALISTES	1758 LINNAEUS
1 89 03 05 02	CAPRISCUS	1788 GMELIN
1 89 03 05 02	*CAROLINENSIS	1788 GMELIN
1 89 03 05 04	VETULA	1758 LINNAEUS
1 89 04 00 00	MONACANTHIDAE	
1 89 04 01 00	CANTHERINES	1839 SWAINSON
1 89 04 01 00	*AMANSES	1832 GRAY
1 89 04 01 01	MACROCERUS	1854 HOLLARD
1 89 04 01 02	PULLUS	1842 RANZANI
1 89 04 02 00	MONACANTHUS	1817 OKEN
1 89 04 02 01	CILIATUS	1818 MITCHILL
1 89 04 02 03	TUCKERI	1906 BEAN
1 89 04 03 00	STEPHANOLEPIS	1861 GILL
1 89 04 03 01	HISPIDUS	1766 LINNAEUS
1 89 04 03 02	INSIGNIS	1940 FRASER-BRUNNER
1 89 04 03 03	SETIFER	1842 DEKAY
1 89 04 03 04	VARIUS	1842 RANZANI

89 04 04 00	ALUTERA	1817 OKEN
89 04 04 01	HEUDELOTTI	1855 HOLLARD
89 04 04 01	*VENTRALIS	1935 LONGLEY
89 04 04 02	MONOCEROS	1758 LINNAEUS
89 04 04 02	*GUNTHERIANA	1863 POEY
89 04 04 03	SCHOEPFI	1792 WALBAUM
89 04 04 04	SCRIPTA	1757 OSBECK
89 05 00 00	TRIODONTIDAE	
89 06 00 00	XENICHTHIDAE	
89 07 00 00	OSTRACIIDAE	
89 07 01 00	ACANTHOSTRACION	1865 BLEEKER
89 07 01 01	POLYGONIUS	1876 POEY
89 07 01 02	QUADRICORNIS	1758 LINNAEUS
89 07 02 00	LACTOPHRYS	1839 SWAINSON
89 07 02 01	BICAUDALIS	1758 LINNAEUS
89 07 02 05	TRIGONUS	1758 LINNAEUS
89 07 02 06	TRIQUETER	1758 LINNAEUS
89 08 00 00	TETRAODONTIDAE	
89 08 01 00	CANTHIGASTER	1839 SWAINSON
89 08 01 01	ROSTRATUS	1782 BLOCH
89 08 05 00	LAGOCEPHALUS	1839 SWAINSON
89 08 05 01	LAEVIGATUS	1766 LINNAEUS
89 08 06 00	SPHAEROIDES	1798 LACEPEDE
89 08 06 01	ANNULATUS	1842 JENYNS
89 08 06 02	CUTANEUS	1870 GUNTHER

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(*SYNONYM)

1 89 08 06 03	DORSALIS	1934 LONGLEY
1 89 08 06 04	GREELEYI	1900 GILBERT
1 89 08 06 04	*EULEPIDOTUS	1919 METZELAAR
1 89 08 06 05	MACULATUS	1801 BLOCH & SCHNEIDER
1 89 08 06 06	MARMORATUS	1840 RANZANI
1 89 08 06 07	NEPHELUS	1882 GOODE & BEAN
1 89 08 06 07	*HARPERI	1914 NICHOLS
1 89 08 06 08	PACHYGASTER	1848 MULLER & TROSCHEL
1 89 08 06 09	TESTUDINEUS	1758 LINNAEUS
1 89 08 06 10	SPENGLERI	1785 BLOCH
1 89 08 09 00	AROTHRON	1839 MULLER
1 89 08 09 01	SETOSUS	1886 SMITH
1 89 09 00 00	DIODONTIDAE	
1 89 09 02 00	CHILOMYCTERUS	1846 BIBRON
1 89 09 02 00	*LYOSPHAERA	1898 EVERMANN & KENDALL
1 89 09 02 01	ANTILLARUM	1897 JORDAN & RUTTER
1 89 09 02 02	ATINGA	1758 LINNAEUS
1 89 09 02 03	SCHOEPFI	1792 WALBAUM
1 89 09 02 04	ANTENNATUS	1818 CUVIER
1 89 09 02 05	SPINOSUS	1758 LINNAEUS
1 89 09 03 00	DIODON	1758 LINNAEUS
1 89 09 03 01	HOLACANTHUS	1758 LINNAEUS
1 89 09 03 02	HYSTRIX	1758 LINNAEUS
1 89 09 03 03	MACULIFER	1855 KAUP
1 89 09 04 00	COLOMESUS	1885 GILL

89 09 04 01	PSITTACUS	1801 BLOCH & SCHNEIDER
89 10 00 00	MOLIDAE	
89 10 02 00	MOLA	1770 KOELREUTER
89 10 02 01	MOLA	1758 LINNAEUS
92 00 00 00	GOBIESOCIFORMES	
92 01 00 00	GOBIESOCIDAE	
92 01 02 00	GOBIESOX	1800 LACEPEDE
92 01 02 01	STRUMOSUS	1870 COPE
92 01 03 00	ARCOS	1944 SCHULTZ
92 01 03 01	MACROPHTHALMUS	1861 GUNTHER
93 00 00 00	BATRACHOIDIFORMES	
93 01 00 00	BATRACHOIDIDAE	
93 01 02 00	BATRACHOIDES	1800 LACEPEDE
93 01 02 01	PACIFICI	1861 GUNTHER
93 01 02 02	SURINAMENSIS	1801 SCHNEIDER
93 01 06 00	OPSANUS	1818 RAFINESQUE
93 01 06 01	BETA	1880 GOODE & BEAN
93 01 06 02	PARDUS	1879 GOODE & BEAN
93 01 06 03	TAU	1766 LINNAEUS
93 01 07 00	THALASSOPHRYNE	1861 GUNTHER
93 01 07 02	MEGALOPS	1910 BEAN & WEED
93 01 07 03	MACULOSA	1861 GUNTHER
93 01 07 04	NATTERERI	1876 STEINDACHNER
93 01 07 04	*BRANNERI	1913 STARKS
93 01 08 00	POPICHTHYS	1854 GIRARD

1 93 01 08 00	*NAUTOPAEDIUM	1919 JORDAN
1 93 01 08 01	POROSISSIMUS	1837 CUVIER
1 93 01 08 02	PAUCIRADIATUS	1963 CALDWELL & CALDWELL
1 93 01 08 03	BATHOIKETES	1968 GILBERT
1 93 01 08 04	OCULOFRENUM	1968 GILBERT
1 93 01 08 05	KYMOSEMEUM	1968 GILBERT
1 93 01 09 00	AMPHICHTHYS	1839 SWAINSON
1 93 01 09 01	CRYPTOCENTRUS	1837 CUVIER & VALENCIENNES
1 95 00 00 00	LOPHIIFORMES	
1 95 01 00 00	LOPHIIDAE	
1 95 01 01 00	LOPHIOMUS	1882 GILL
1 95 01 02 00	LOPHIUS	1758 LINNAEUS
1 95 01 02 02	PISCATORIUS	1766 LINNAEUS
1 95 02 00 00	ANTENNARIIDAE	
1 95 02 01 00	ANTENNARIUS	1817 CUVIER
1 95 02 01 01	OCELLATUS	1801 BLOCH & SCHNEIDER
1 95 02 01 02	RADIOSUS	1896 GARMAN
1 95 02 01 04	MULTIOCELLATUS	1837 CUVIER & VALENCIENNES
1 95 02 01 05	SANGUINEUS	1863 GILL
1 95 02 03 00	HISTRIO	1813 FISCHER
1 95 02 03 01	HISTRIO	1758 LINNAEUS
1 95 02 03 01	*GIBBA	1815 MITCHILL
1 95 02 04 00	PHRYNELOX	1931 WHITLEY
1 95 02 04 01	SCABER	1817 CUVIER
1 95 02 04 02	NUTTINGI	1896 GARMAN

95 02 05 00	LOPHIOCHARON	1933 WHITLEY
95 02 05 01	TENERROSUS	1853 POEY
95 04 00 00	CHAUNACIDAE	
95 04 02 00	CHAUNAX	1846 LOWE
95 04 02 01	PICTUS	1846 LOWE
95 05 00 00	OGCOCEPHALIDAE	
95 05 02 00	OGCOCEPHALUS	1813 FISCHER
95 05 02 02	CUBIFRONS	1836 RICHARDSON
95 05 02 03	NASUTUS	1838 CUVIER & VALENCIENNES
95 05 02 06	PARVUS	1940 LONGLEY & HILDEBRAND
95 05 02 07	RADIATUS	1818 MITCHILL
95 05 02 08	VESPERTILIO	1758 LINNAEUS
95 05 02 12	NOTATUS	1837 CUVIER & VALENCIENNES
95 05 03 00	DIBRANCHUS	1865 PETERS
95 05 03 01	ATLANTICUS	1875 PETERS
95 05 04 00	HALIEUTICHTHYS	1863 POEY
95 05 04 01	ACULEATUS	1818 MITCHILL
95 05 04 02	CARIBBAEUS	1896 GARMAN
95 05 05 00	ZALIEUTES	1896 JORDAN & EVERMANN
95 05 05 01	MEGINTYI	1952 FOWLER
95 05 06 00	MALTHOPSIS	1891 ALCOCK
95 06 00 00	MELANOCETIDAE	
95 06 01 00	MELANOCETUS	1864 GUNTHER
95 06 01 01	JOHNSONI	1864 GUNTHER
95 06 01 02	MURRAYI	1887 GUNTHER

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(*SYNONYM)

1 95 07 00 00	DICERATIIDAE	
1 95 07 01 00	DICERATIAS	1887 GUNTHER
1 95 07 01 01	BISPINOSUS	1887 GUNTHER
1 95 08 00 00	HIMANTOLOPHIDAE	
1 95 08 01 00	HIMANTOLOPHUS	1838 REINHARDT
1 95 08 01 01	GROENLANDICUS	1837 REINHARDT
1 95 09 00 00	ONEIRODIDAE	
1 95 09 01 00	ONEIRODES	1871 LUTKEN
1 95 09 01 01	BRADBURYAE	1956 GREY
1 95 09 01 02	ESCHRICHTI	1871 LUTKEN
1 95 09 02 00	DOLOPICHTHYS	1899 GARMAN
1 95 09 02 01	LONGICORNIS	1927 PARR
1 95 09 03 00	PARONEIRODES	1890 ALCOCK
1 95 09 03 01	WEDLI	1926 PIETSCHMANN
1 95 09 04 00	MICROLOPHICHTHYS	1932 REGAN & TREWAVAS
1 95 09 04 01	MICROLOPHUS	1925 REGAN
1 95 09 05 00	THAUMANICHTHYS	1912 SMITH & RADCLIFF
1 95 09 06 00	CANAPHRYNE	1951 BERTELSEN
1 95 09 07 00	CHAENOPHRYNE	1925 REGAN
1 95 09 07 01	DRACO	1932 BEEBE
1 95 10 00 00	LAEVOCERATIIDAE	
1 95 11 00 00	GIGANTACTIDAE	
1 95 12 00 00	NEOCERATIIDAE	
1 95 13 00 00	CERATIIDAE	
1 95 13 01 00	CERATIAS	1844 KROYER

95 13 01 01	HOLBOELLI	1844	KROYER
95 13 03 00	CRYPTOPSARAS	1883	GILL
95 13 03 01	COUESII	1883	GILL
95 13 04 00	CORYNOLOPHUS	1878	GILL
95 13 04 01	REINHARDTII	1878	LUTKEN
95 14 00 00	CAULOPHRYNIDAE		
95 15 00 00	PHOTOCORYNIDAE		
95 16 00 00	LINOPHRYNIDAE		
95 16 01 00	LINOPHYRNE	1886	COLLETT
95 16 01 01	ARBORIFERA	1925	REGAN
95 16 01 02	BREVIBARBATA	1932	BEEBE

O—795-761

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4. Influence of mechanical processing on the quality and yield of bay scallop meats. By N. B. Webb and F. B. Thomas. April 1971, iii + 11 pp., 9 figs., 3 tables.

5. Distribution of salmon and related oceanographic features in the North Pacific Ocean, spring 1968. By Robert R. French, Richard G. Bakkala, Masanao Osako, and Jun Ito. March 1971, iii + 22 pp., 19 figs., 3 tables.

6. Commercial fishery and biology of the freshwater shrimp, *Macrobrachium*, in the Lower St. Paul River, Liberia, 1952-53. By George C. Miller. February 1971, iii + 13 pp., 8 figs., 7 tables.

7. Calico scallops of the Southeastern United States, 1959-69. By Robert Cummins, Jr. June 1971, iii + 22 pp., 23 figs., 3 tables.

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9. Analysis of the operations of seven Hawaiian skipjack tuna fishing vessels, June-August 1967. By Richard N. Uchida and Ray F. Sumida. March 1971, v + 25 pp., 14 figs., 21 tables. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 - 35 cents.

0. Blue crab meat. I. Preservation by freezing. July 1971, iii + 13 pp., 5 figs., 2 tables. II. Effect of chemical treatments on acceptability. By Jurgen H. Strasser, Jean S. Lennon, and Frederick J. King. July 1971, iii + 12 pp., 1 fig., 9 tables.

1. Occurrence of thiaminase in some common aquatic animals of the United States and Canada. By R. A. Greig and R. H. Gnaedinger. July 1971, iii + 7 pp., 2 tables.

2. An annotated bibliography of attempts to rear the larvae of marine fishes in the laboratory. By Robert C. May. August 1971, iii + 24 pp., 1 appendix I table, 1 appendix II table. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 - 35 cents.

3. Blueing of processed crab meat. II. Identification of some factors involved in the blue discoloration of canned crab meat *Callinectes sapidus*. By Melvin E. Waters. May 1971, iii + 7 pp., 1 fig., 3 tables.

634. Age composition, weight, length, and sex of herring, *Clupea pallasii*, used for reduction in Alaska, 1929-66. By Gerald M. Reid. July 1971, iii + 25 pp., 4 figs., 18 tables.

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